

PONY

سلسلة كتب الأستاذ

2026

MATH

Main Book



2nd Primary
Second Term
By Mohamed Nasreldin

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Chapter 7



Chapter Lessons

1
2
3

Lessons 1&2

Exploring Money & Composing an Amount

Outcomes:

- Participating in Calendar Math Activities.
- Comparing Egyptian banknotes (1, 5, 10, 20, 50, 100 and 200 LE).
- Estimating the monetary value of various items.
- Combining 1, 5, 10, 20, 50 and 100 LE notes to create a given total.
- Discussing different ways to combine banknotes to create a given total.

Lessons 3-5

Applications on Money & Work With Money

Outcomes:

- Participating in Calendar Math Activities.
- Combining 1, 5, 10, 20, 50 and 100 LE notes to create a given total.
- Decomposing large denominations of money into smaller denominations.
- Identifying different ways to combine banknotes to create a given total.
- Adding 2-digit and 3-digit numbers without regrouping.

Lessons 6&7

Saving and Purchasing & Place Value for Amounts

Outcomes:

- Participating in Calendar Math Activities.
- Solving one-step story problems involving money.
- Adding and subtracting 2-digit and 3-digit numbers without regrouping.
- Applying place value concepts to add and subtract money.
- Describing their real-world experiences with money.

Lesson 8

Adding Using Money

Outcomes:

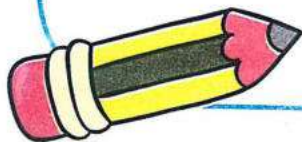
- Participating in Calendar Math Activities.
- Applying place value concepts to add money with regrouping.
- Adding 2-digit and 3-digit numbers with regrouping.

Lessons 9&10

Subtracting Using Money & Applications on Adding and Subtracting Money

Outcomes:

- Participating in Calendar Math Activities.
- Applying place value concepts to subtract money with regrouping.
- Subtracting 2-digit and 3-digit numbers with regrouping.
- Applying place value concepts to solve story problems involving money.
- Adding and subtracting 2-digit and 3-digit numbers with regrouping.



A
B
C
★

Lessons 1&2

Exploring Money & Composing an Amount

استكشاف النقود / تكوين مبلغ محدد

Egyptian Banknotes

أوراق النقود المصرية

Pound (LE)

جنيه مصري

One Pound

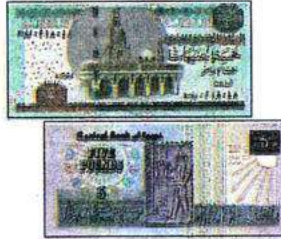
1 LE



جنيه واحد

Five Pounds

5 LE



خمسة جنيهات

Ten Pounds

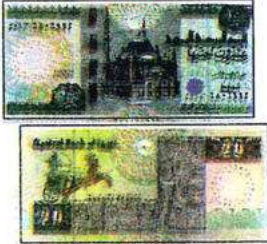
10 LE



عشرة جنيهات

Twenty Pounds

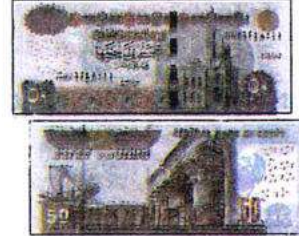
20 LE



عشرون جنيهًا

Fifty Pounds

50 LE



خمسون جنيهًا

One Hundred Pounds

100 LE



مائة جنيه

Two Hundred Pounds

200 LE

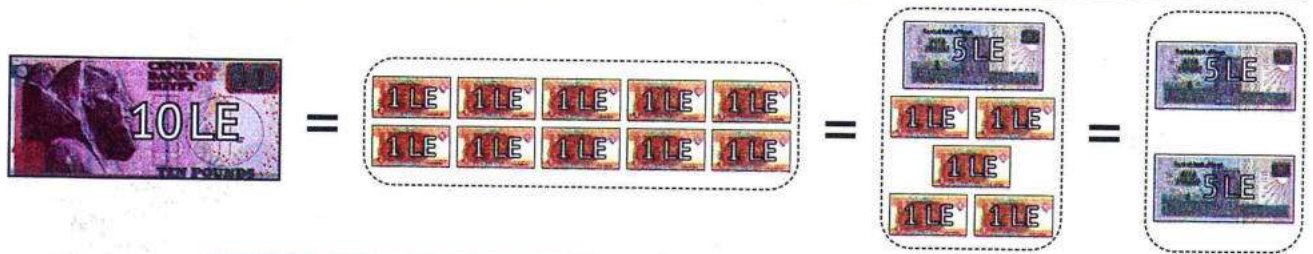


مائتا جنيه

Decomposing Money تحليل النقود



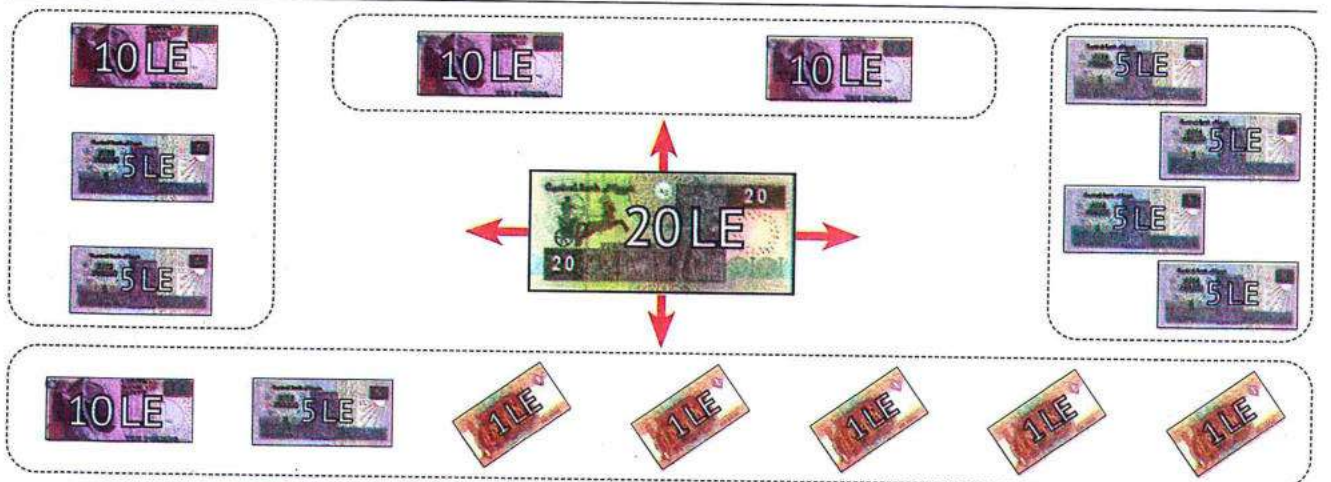
$$5 \text{ LE} = 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE}$$



$$= 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE}$$

$$10 \text{ LE} = 5 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE}$$

$$= 5 \text{ LE} + 5 \text{ LE}$$

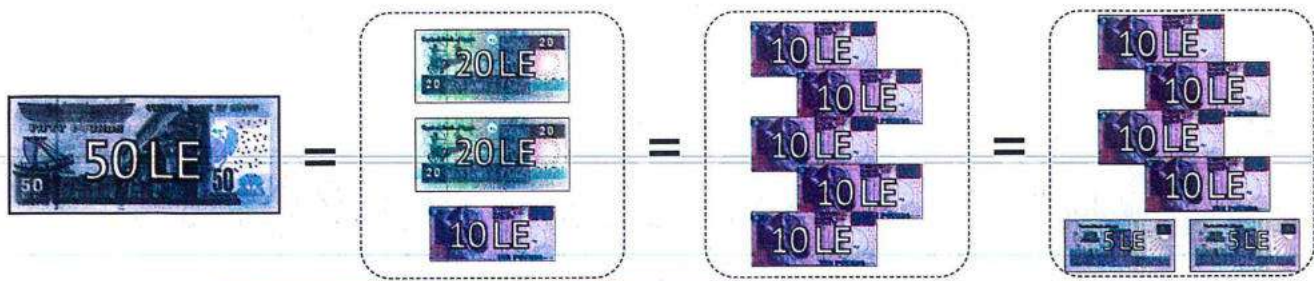


$$= 10 \text{ LE} + 10 \text{ LE}$$

$$= 10 \text{ LE} + 5 \text{ LE} + 5 \text{ LE}$$

$$= 10 \text{ LE} + 5 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE}$$

$$= 5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE}$$

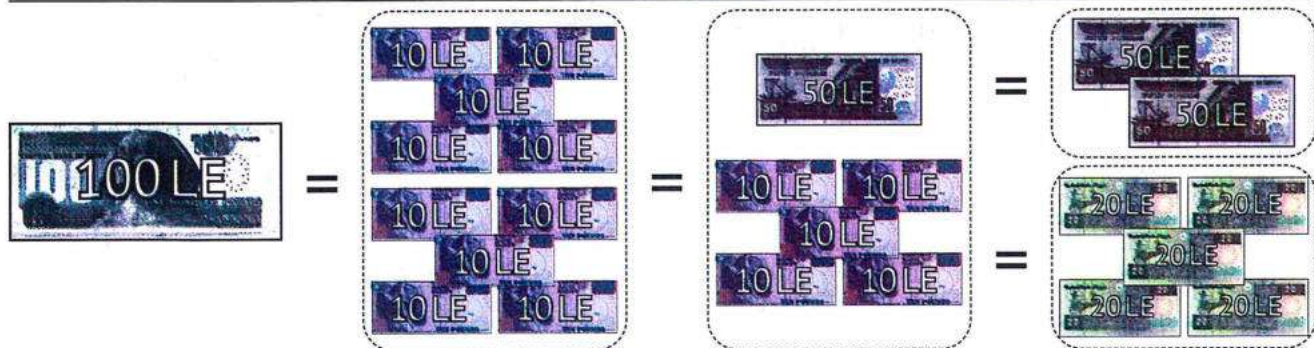


$$= 20 \text{ LE} + 20 \text{ LE} + 10 \text{ LE}$$

50 LE

$$= 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE}$$

$$= 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 5 \text{ LE} + 5 \text{ LE}$$

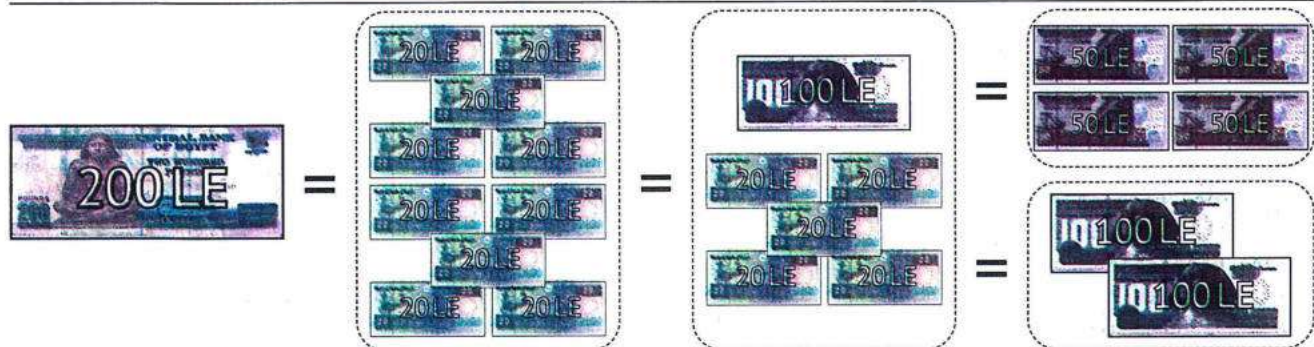


$$= 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE}$$

100 LE

$$= 50 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 10 \text{ LE}$$

$$= 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} = 50 \text{ LE} + 50 \text{ LE}$$



$$= 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE}$$

200 LE

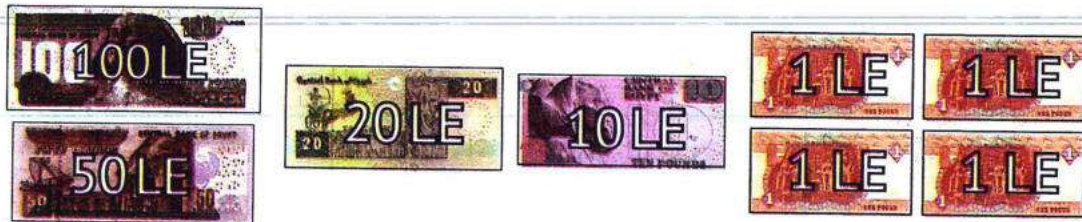
$$= 100 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 20 \text{ LE}$$

$$= 50 \text{ LE} + 50 \text{ LE} + 50 \text{ LE} + 50 \text{ LE}$$

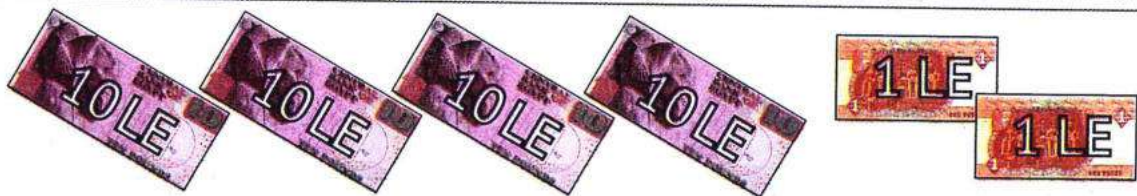
$$= 100 \text{ LE} + 100 \text{ LE}$$

1 Write the **amount** of money:

Ex.



$$100 + 50 + 20 + 10 + 1 + 1 + 1 + 1 = 184 \text{ Pounds.}$$



a = Pounds.



b = Pounds.



c = Pounds.



d = Pounds.

2 Write the **amount** of money:

Ex.



Hundreds	Tens	Ones
4	6	7
$400 + 60 + 7 = 467 \text{ LE.}$		



a

Hundreds	Tens	Ones
.....		
..... + + = LE.		



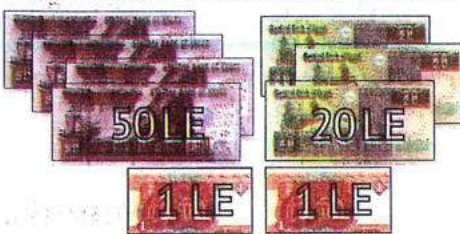
b

Hundreds	Tens	Ones
.....		
..... + + = LE.		



c

Hundreds	Tens	Ones
.....		
..... + + = LE.		



d

Hundreds	Tens	Ones
.....		
..... + + = LE.		



HOME ACTIVITIES

1 Find the **amount** of money:

a

..... + + + + +
= Pounds.

b

..... + + + + +
= Pounds.

c

..... + + + + +
= Pounds.

d

..... + + + + +
= Pounds.

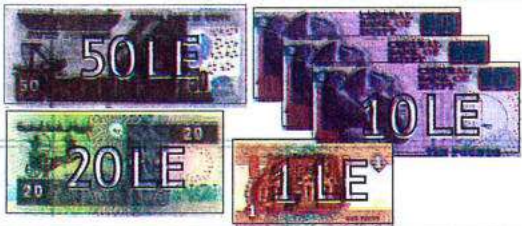
e

..... + + + +
= Pounds.

f

..... + + + +
= Pounds.

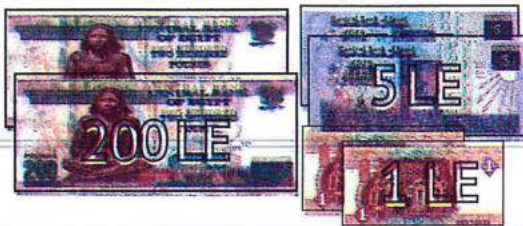
9



..... + + + + +

= Pounds.

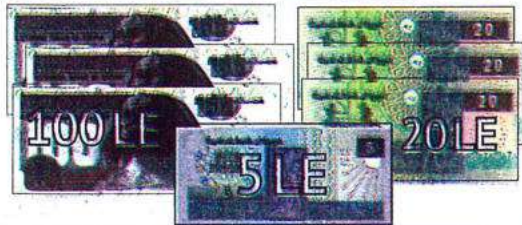
h



..... + + + + +

= Pounds.

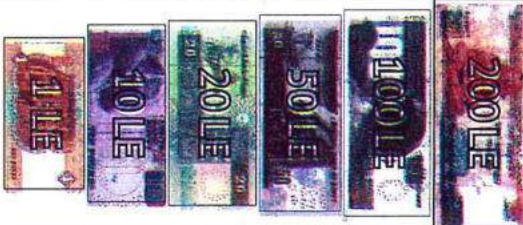
i



..... + + + + +

= Pounds.

j



..... + + + + +

= Pounds.

2 Find the **amount** of money:

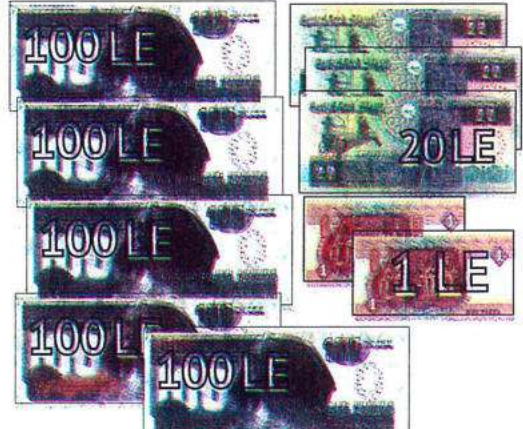
a



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

b



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

c



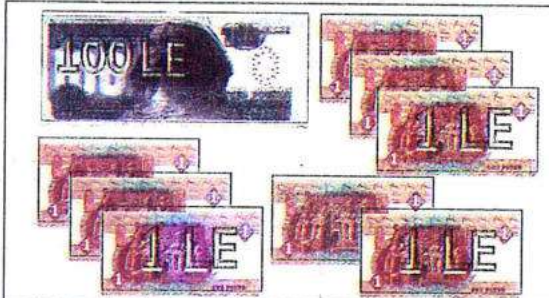
Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

d



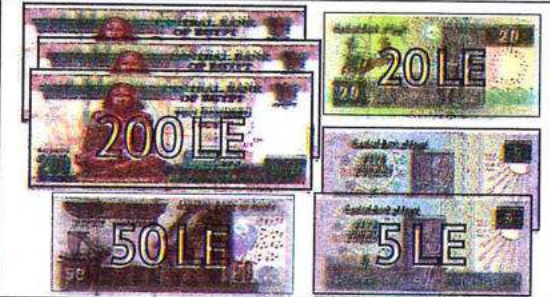
Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

e



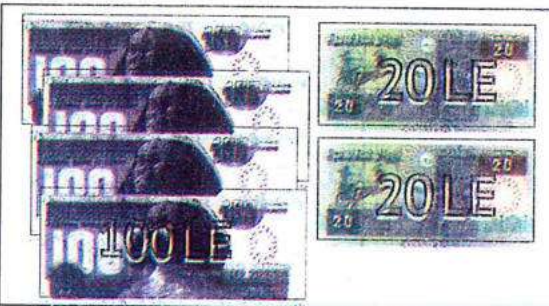
Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

f



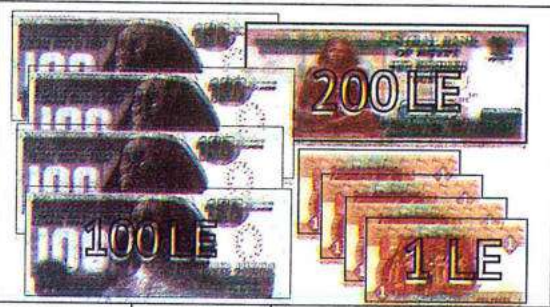
Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

g



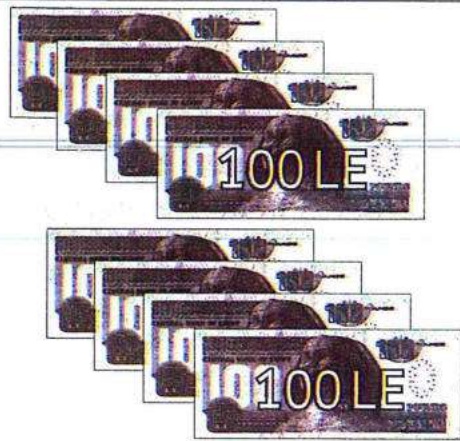
Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

h



Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

i



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

j



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

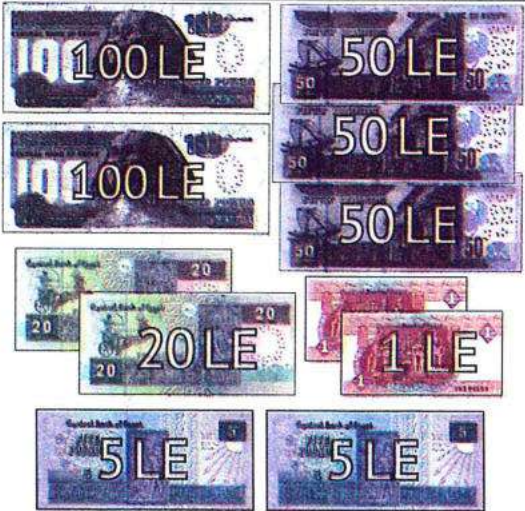
k



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

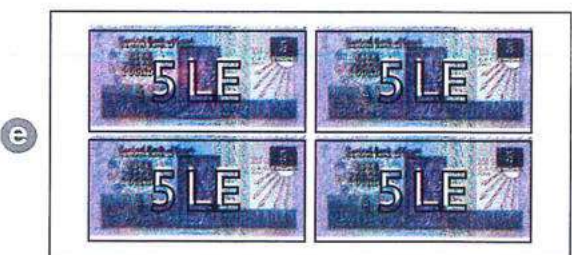
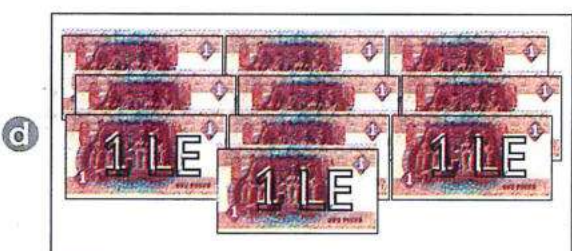
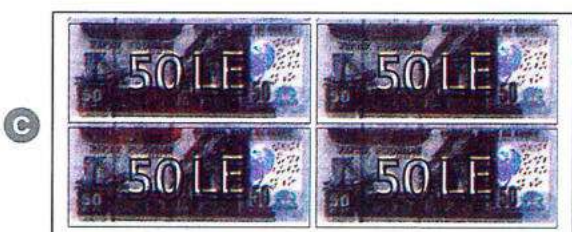
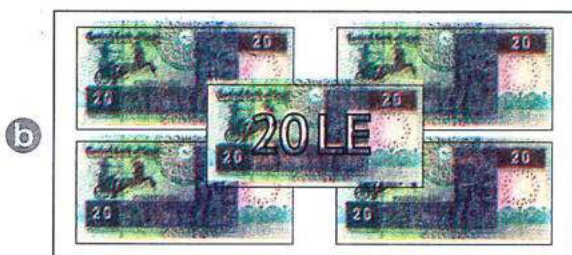
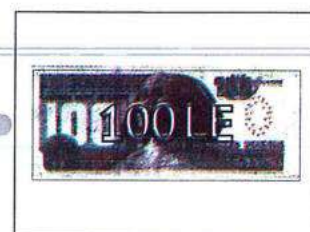
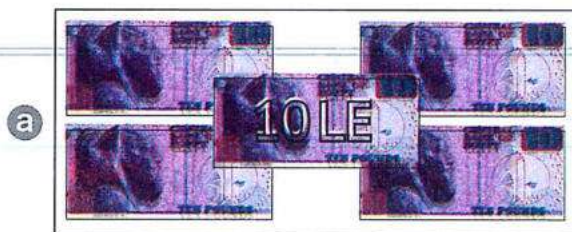
l



Hundreds	Tens	Ones	Pounds
.....			

..... + + =

3 Match the **equal** amounts of money:



4 Complete using ($<$, $=$, or $>$):

a



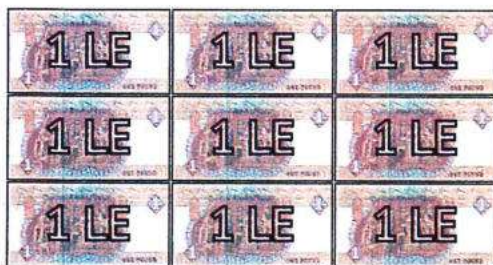
220 LE

b

150 LE



c



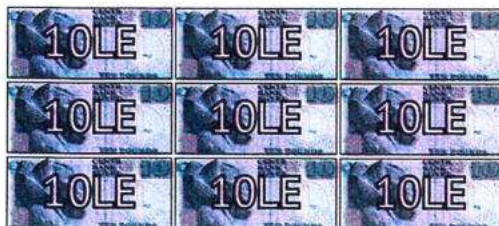
120 LE

d

101 LE



e



50 LE

Worksheet 1

First: Choose the correct answer:

- a Seven hundred six (in digits) = (760 or 706 or 716)
 b 3 Hundreds + 5 Tens + 2 Ones = (352 or 253 or 532)
 c $30 + 50 =$ (35 or 53 or 80)
 d 10 Tens = Hundreds (100 or 10 or 1)
 e comes just after 289. (330 or 290 or 288)

Second: Complete the following:

- a Ones + Hundreds = 708
 b The **smallest** 3-digit number is
 c The **value** of the digit 5 in 528 is
 d The **greatest** number formed from the digits 5, 3 and 8 is
 e 220, 225, 230, 235,,,

Third: Answer the following:

a Find the result:

1
$$\begin{array}{r} 72 \\ + 15 \\ \hline \end{array}$$

2
$$\begin{array}{r} 36 \\ + 23 \\ \hline \end{array}$$

3
$$\begin{array}{r} 78 \\ - 16 \\ \hline \end{array}$$

4
$$\begin{array}{r} 69 \\ - 35 \\ \hline \end{array}$$

b Arrange the following numbers in an ascending order:

125 , 364 , 208 , 346 , 215

c Find the amount of money:

1

..... LE

2

..... LE

Lessons

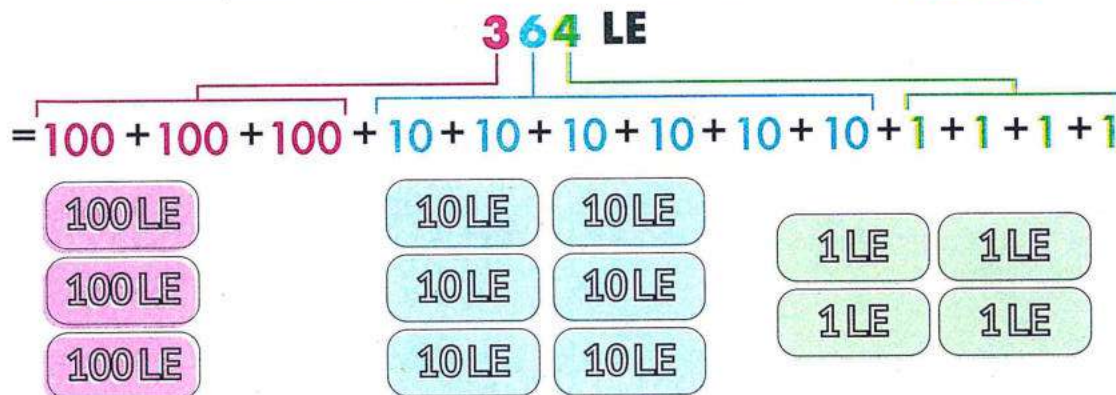
3-5

Applications on Money & Work With Money

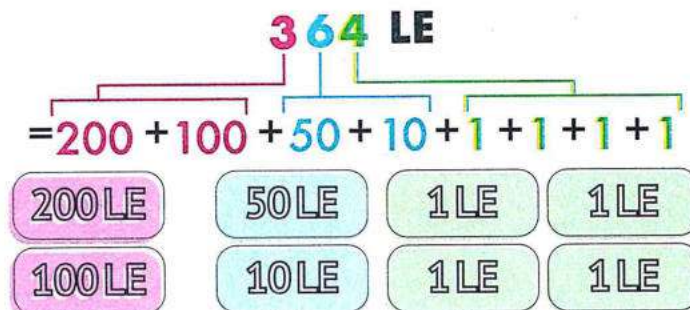
تطبيقات على النقود / التعامل بالنقود

Ex.

Decompose and draw the amount of money: **364 LE**



OR



There are **several ways** to express this amount.

1 Draw according to the **amount** of money:

a 235 LE	b 160 LE	c 83 LE
--	--	---

Ex.

Decompose and draw the amount of money: **436 LE**

200LE	200LE	10LE	10LE	10LE	5LE	1LE
Hundreds	Tens		Ones		Pounds	
4	3		6		436	
400	+	30	+	6	=	436

There are **several ways** to express this amount.

2 Decompose and draw the **amount** of money:

a

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 57			

b

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 257			

c

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 371			

d

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 730			

e

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 34			

f

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 204			

HOME ACTIVITIES



1 Decompose and draw the amount of money:

a 75 Pounds =

b 96 Pounds =

c 213 Pounds =

d 364 Pounds =

e 508 Pounds =

f 115 Pounds =

g 287 Pounds =

h 327 Pounds =

2 Draw according to the **amount** of money:

a

Hundreds	Tens	Ones	Pounds
..... + + = 321			

b

Hundreds	Tens	Ones	Pounds
..... + + = 747			

c

Hundreds	Tens	Ones	Pounds
..... + + = 230			

d

Hundreds	Tens	Ones	Pounds
..... + + = 883			

e

Hundreds	Tens	Ones	Pounds
..... + + = 457			

f

Hundreds	Tens	Ones	Pounds
..... + + = 654			

g

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 83			

i

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 257			

k

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 170			

m

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 302			

h

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 213			

j

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 247			

l

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 703			

n

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 304			

- 3 Calculate the amount of money and then draw it in another way, as in the following example:



10 LE 10 LE 10 LE

150 LE



100 LE

50 LE



20 LE 20 LE

..... LE



a

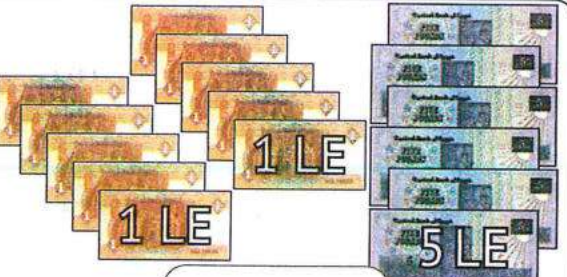


5 LE 5 LE

..... LE



b



1 LE 1 LE 5 LE

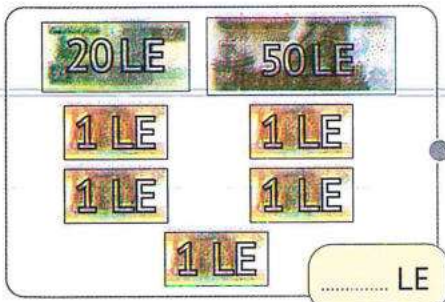
..... LE



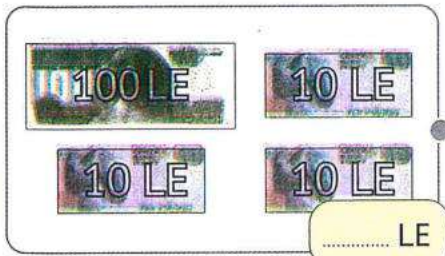
c

4 Match the **equal** amounts of money:

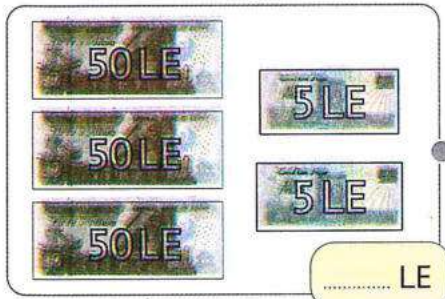
a



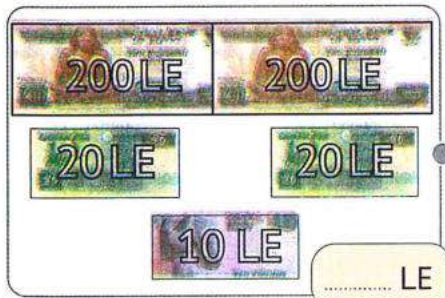
b



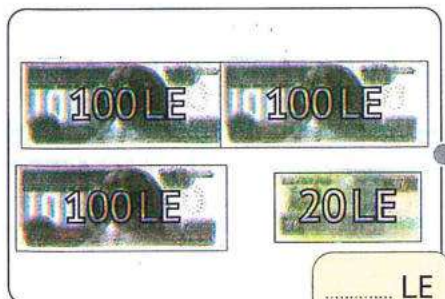
c



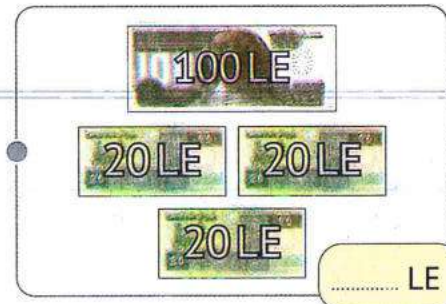
d



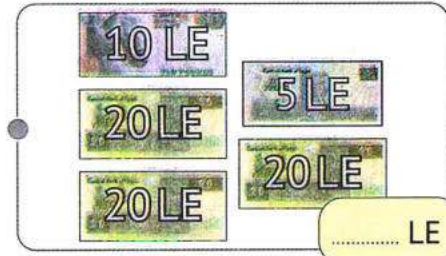
e



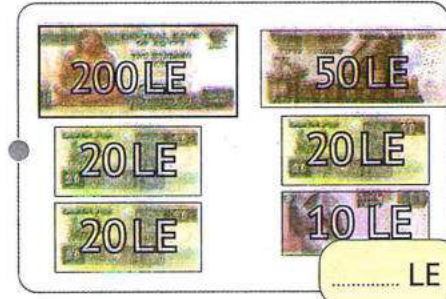
1



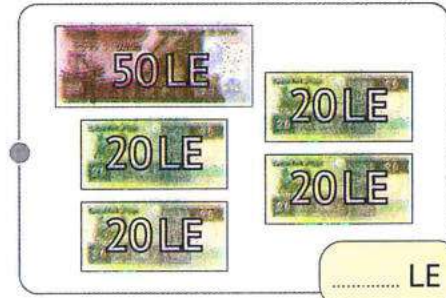
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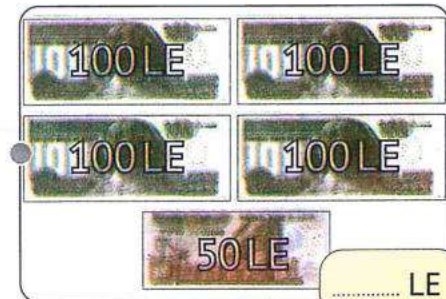
3



4



5



Worksheet 2

First: Choose the correct answer:

- a 690 is **more than** 490 by (2 or 20 or 200)
 b 2 Ones + 6 Hundreds + 3 Tens = (263 or 632 or 236)
 c $4 + 0 + 2 =$ (6 or 42 or 402)
 d $706 = 6 +$ (7 or 70 or 700)
 e The number of edges of the **cube** is (6 or 8 or 12)

Second: Complete the following:

- a Eight hundred and eighty-eight = $800 + 8 +$
 b The **place value** of the digit 6 in 567 is
 c The number that comes just **before** 567 is
 d The **greatest** 3-digit number formed from the digits 3 and 9 is
 e 20 Tens = Hundreds =

Third: Answer the following:

a **Arrange the following numbers in an ascending order:**

564 , 465 , 654 , 456 , 546

..... , , , ,

b **Draw according to the amount of money:**

1

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 351			

2

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 56			

Lessons 6&7

Saving and Purchasing & Place Value for Amounts

الادخار والشراء / القيمة المكانية لمبالغ نقدية

1 Use your **banknotes** to create each amount shown below.

Draw the combination of banknotes you use to **purchase** each item.

Ex.

200 LE

20 LE

20 LE



240 LE

a



29 LE

b



300 LE

c



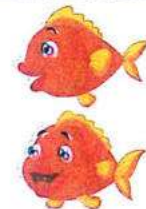
102 LE

d



221 LE

e



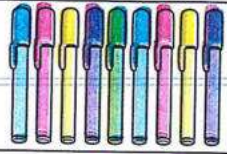
97 LE

2 Add the amount of money and match each **total** to a **price**:

a

100LE	50LE	1LE
	1LE	1LE
Hundreds	Tens	Ones
.....		
= LE		

1



29 LE

b

10LE	5LE	1LE
	1LE	1LE
Hundreds	Tens	Ones
.....		
= LE		

2



153 LE

c

10LE	5LE	1LE	1LE
	10LE	1LE	1LE
Hundreds	Tens	Ones	
.....			
= LE			

3



34 LE

d

100LE	10LE	1LE	1LE
	10LE	1LE	1LE
50LE	10LE	1LE	1LE
Hundreds	Tens	Ones	
.....			
= LE			

4



61 LE

e

10LE	10LE	1LE	1LE
	10LE	1LE	1LE
Hundreds	Tens	Ones	
.....			
= LE			

5



18 LE

f

50LE	10LE	1LE
Hundreds	Tens	Ones
.....		
= LE		

6



184 LE

Budget

T-shirt



83 LE

Ball



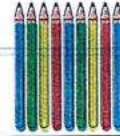
45 LE

Toy



34 LE

Pack of pencils



28 LE

Bicycle



100 LE

Glue



7 LE

Candies



3 LE

Book



20 LE

Nuts



8 LE

Shoes



150 LE

- 3 You have 200 LE to spend at the store. Buy as many items as you can, then write each item you purchase and its price below:

Item	Price	Add your prices here to keep track of your total.



HOME ACTIVITIES

1 Use your **banknotes** to create each amount shown below. Draw the combination of banknotes you use to **purchase** each item:

a



29 LE

b



102 LE

c



240 LE

d



216 LE

e



150 LE

f



300 LE

g



415 LE

h



72 LE

- 2 Use your **banknotes** to create each amount shown below. Draw the combination of banknotes you use to **purchase** each item:

a



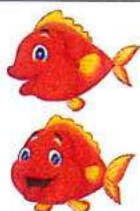
220 LE

b



502 LE

c



107 LE

d



135 LE

e



610 LE

f



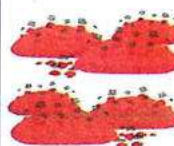
35 LE

g



221 LE

h



18 LE

3 Add each amount of money, then match each **total** to a **price**:

a

100LE	10LE	10LE	
	1LE	1LE	
Hundreds	Tens	Ones	= LE

	1
124 LE	

b

10LE	10LE	10LE	1LE
10LE	10LE	1LE	1LE
Hundreds	Tens	Ones	= LE

	2
66 LE	

c

100LE	10LE	1LE	1LE
	10LE	1LE	1LE
Hundreds	Tens	Ones	= LE

	3
122 LE	

d

10LE	1LE	1LE	1LE
50LE	1LE	1LE	1LE
Hundreds	Tens	Ones	= LE

	4
53 LE	

e

50LE	10LE	5LE	
Hundreds	Tens	Ones	= LE

	5
181 LE	

f

50LE	50LE	10LE	1LE
	50LE	10LE	10LE
Hundreds	Tens	Ones	= LE

	6
65 LE	

4 Add each amount of money, then match each **total** to a **price**:

a

100LE	10LE	10LE	1LE
			1LE
50LE	10LE	1LE	1LE
Hundreds	Tens	Ones	= LE

b

10LE	5LE	1LE	1LE
			1LE
Hundreds	Tens	Ones	= LE

c

50LE	10LE	1LE	
Hundreds	Tens	Ones	= LE

d

10LE	5LE	1LE	1LE
	10LE	1LE	1LE
Hundreds	Tens	Ones	= LE

e

100LE	50LE	1LE	1LE
			1LE
Hundreds	Tens	Ones	= LE

f

10LE	10LE	1LE	1LE
	10LE	1LE	1LE
Hundreds	Tens	Ones	= LE



1

18 LE



2

184 LE



3

29 LE



4

61 LE



5

34 LE



6

153 LE



1



X



C



✓



(32) PONY – Math Prim. 2 – Second Term

6 You have 300 LE to spend at the store. Buy as many items as you can, then write each item you purchase and its price below:

T-shirt  83 LE	Ball  45 LE	Toy  34 LE	Pack of pencils  28 LE	Bicycle  100 LE
Glue  7 LE	Candies  3 LE	Book  20 LE	Nuts  8 LE	Shoes  150 LE

Item	Price	Add your prices here to keep track of your total.



Worksheet

3

First: Choose the correct answer:

- a** The **value** of 5 in 536 is (50 5 500)
- b** 475 457 (> = <)
- c** The **place value** of 7 in 745 is (Ones Tens Hundreds)
- d** The **greatest** 3-different-digit number is (999 987 897)
- e** Seven hundred and forty = (714 740 704)

Second: Complete the following:

- a** "3 Ones, 5 Tens, 2 Hundreds" in **digits** is
- b** $853 = \dots + 50 + \dots$
- c** The **greatest** number formed from the digits 7, 3 and 5 is
- d** 310, 320, 330, , (In the same pattern)
- e** The **greatest** number formed from 9, 5 and 8 is

Third: Answer the following:

a Find the result:

1
$$\begin{array}{r} 16 \\ + 62 \\ \hline \end{array}$$

2
$$\begin{array}{r} 52 \\ + 25 \\ \hline \end{array}$$

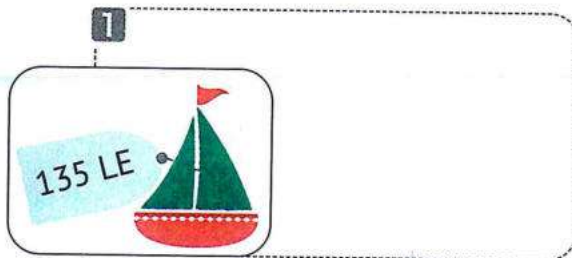
3
$$\begin{array}{r} 84 \\ - 12 \\ \hline \end{array}$$

4
$$\begin{array}{r} 78 \\ - 46 \\ \hline \end{array}$$

b Arrange the following numbers in an ascending order:

211 , 380 , 247 , 292

c Draw the combination of banknotes you use to purchase each item:





Lesson 8

Adding Using Money

الجمع باستخدام النقود

Price	ثمن	Pound (LE)	جنيه	Sum	مجموع
Money	نقود	Piaster (PT)	قرش	Total	مجموع
Buy	يشترى	Has/Have	يملك	Altogether	معًا
Bought	اشترى	Had	كان معه	Remainder	الباقى
Pay	يدفع	How much	كم كمية	Left	الباقى
Paid	دفع	How many	كم عدد	Difference	الفرق

1 Solve the following story problems:

a Ali has **42 LE**, and his brother has **57 LE**. How much money do they have **altogether**?

b Salma's mother gave her **29 LE** to buy some fruits. She bought a basket of fruit for **14 LE**. How many pounds does Salma have **left**?

c Aya saved **33 LE** in one month. The next month, she saved **24 LE**. How much money did Aya save **in all**?

d Mostafa's father gave him **99 LE** for his birthday. He bought a new pair of shoes for **86 LE**. How many pounds does Mostafa have **left**?

e Tarek bought a book for **44 LE**, and a new football for **44 LE**. How much money did Tarek **pay**?

- 2** Create a story problem; it can be an **addition** or **subtraction** problem.
Use the words shown, then solve it.

a

Eman - Ahmed - has - 48 LE - 50 LE - how much - money - altogether.

b

Nada - bought - a jacket - 74 LE - a shirt - 25 LE - find - the price.

c

Salah - had - 95 LE - bought - a bicycle - 85 LE - the money left.

d

Mohamed - saved - 57 LE - spent - 23 LE - the money left.

HOME ACTIVITIES



1 Solve the following story problems:

a Ali has 42 LE, and his brother has 57 LE. How much money do they have altogether?

b Salma's mother gave her 29 LE to buy some fruits. She bought a basket of fruit for 14 LE. How many pounds does Salma have left?

c Aya saved 33 LE in one month. The next month, she saved 24 LE. How much money does Aya have in all?

d Mostafa's father gave him 99 LE for his birthday. He bought a new pair of shoes for 86 LE. How many pounds does Mostafa have left?

e Tarek bought a book for 44 LE, and a new football for 44 LE. How much money did Tarek pay?

f Omar had 75 LE saved for a bike. The bike that he wants costs 62 LE. After he buys the bike, how much money will he have left?

g Nadine saved 89 LE. She wanted to buy a pair of jeans. The jeans cost 79 LE. How much money will she have left after she buys the jeans?



- h** Farah went to the market. She bought some beef for **55 LE**, some chicken for **30 LE**, and some milk for **13 LE**. How much money did she spend **in all**?



- i** Eman's grandmother gave her and her brother Karim money for their birthdays. She gave each child **42 LE**.

How much money did Eman's grandmother give her grandchildren **in all**?



- j** Tarek and his friend Karim both bought new footballs. Tarek's football cost **16 LE**, and karim's football cost **42 LE**. How much money did both boys spend on their footballs?



- 2** Create a story problem; it can be an **addition** or **subtraction** problem. Use the words shown, then solve it.



- a** Eman – Ahmed – has – **48 LE** – **50 LE** – how much – money – altogether.



- b** Sara – Zeiad – has – **35 LE** – **14 LE** – how much – altogether.



c Nada – bought – a jacket – 46 LE – a shirt – 30 LE – find – the price.



d Jana – bought – a toy – 32 LE – a bag – 52 LE – find – the price.



e Salah – had – 96 LE – bought – a bicycle – 72 LE – the money left.



f Fady – had 85 LE – bought – a jacket – 53 LE – the money left.



g Mohamed – saved – 78 LE – spent – 56 LE – the money left.



Worksheet 4

First: Choose the correct answer:

- a The **smallest** 3-digit number is (100 or 902 or 123)
- b $400 + 50 + 8 =$ (540 or 458 or 754)
- c The number that comes **after** 399 is (400 or 499 or 390)
- d Seven hundred and forty-one = (417 or 741 or 147)
- e 10 Tens = Hundred(s) (100 or 10 or 1)

Second: Complete the following:

- a The **value** of the digit 5 in 254 is
- b The **greatest** 3-different-digit number is
- c The number of vertices of the **cube** is
- d The **greatest** number formed from the digits 5, 3 and 8 is
- e 520, 525, 530, 535,,,

Third: Answer the following:

a Complete using (<, =, or >):

1 6 Hundreds + 5 Tens + 3 Ones $\quad$ 400 + 72

2 9 Hundreds $\quad$ 90 Tens

3 $24 + 45 \quad$ $80 - 30$

b Salam's mother gave her **29 LE** to buy some fruits. She bought a basket of fruit for **14 LE**. How many pounds does Salma have **left**?

.....

c Mostafa's father gave him **99 LE** for his birthday. He bought a new pair of shoes for **86 LE**. How many pounds does Mostafa have **left**?

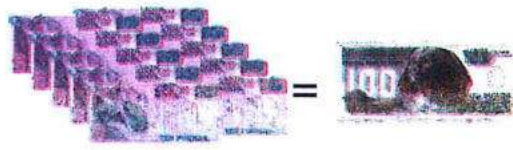
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Lessons 9&10

Subtracting Using Money & Applications on Adding and Subtracting Money

الطرح باستخدام النقود/ تطبيقات على جمع وطرح النقود

Remember



First: Adding Money

Ex. Find the sum of (247 LE + 476 LE)

Amount	Hundreds 	Tens 	Ones 
247 LE	2	4	7
+ 476 LE	4	7	6
Sum	6 6 7	1 1 ① 2 2	① 3 3 3

Second: Subtracting Money

Ex. Subtract (523 LE - 176 LE)

Amount	Hundreds 	Tens 	Ones 
523 LE	5 5 4	2 1 11	3 → 13
- 176 LE	1	7	6
Difference	3	4	7

1 Add:

a

Amount	Hundreds	Tens	Ones
315 LE			
154 LE			
Sum			

b

Amount	Hundreds	Tens	Ones
147 LE			
272 LE			
Sum			

c

Amount	Hundreds	Tens	Ones
438 LE			
127 LE			
Sum			

d

Amount	Hundreds	Tens	Ones
528 LE			
297 LE			
Sum			

e

Amount	Hundreds	Tens	Ones
239 LE			
288 LE			
Sum			

f

Amount	Hundreds	Tens	Ones
405 LE			
195 LE			
Sum			

g

Amount	Hundreds	Tens	Ones
89 LE			
75 LE			
Sum			

h

Amount	Hundreds	Tens	Ones
29 LE			
47 LE			
Sum			

2 Subtract:

a

Amount	Hundreds	Tens	Ones
			
569 LE			
127 LE			
Difference			

c

Amount	Hundreds	Tens	Ones
			
523 LE			
278 LE			
Difference			

e

Amount	Hundreds	Tens	Ones
			
428 LE			
172 LE			
Difference			

g

Amount	Hundreds	Tens	Ones
			
700 LE			
187 LE			
Difference			

b

Amount	Hundreds	Tens	Ones
			
748 LE			
329 LE			
Difference			

d

Amount	Hundreds	Tens	Ones
			
508 LE			
253 LE			
Difference			

f

Amount	Hundreds	Tens	Ones
			
654 LE			
378 LE			
Difference			

h

Amount	Hundreds	Tens	Ones
			
602 LE			
357 LE			
Difference			



HOME ACTIVITIES

1 Add:

a

Amount	Hundreds	Tens	Ones
247 LE			
125 LE			
Sum			

b

Amount	Hundreds	Tens	Ones
458 LE			
236 LE			
Sum			

c

Amount	Hundreds	Tens	Ones
524 LE			
123 LE			
Sum			

d

Amount	Hundreds	Tens	Ones
638 LE			
107 LE			
Sum			

e

Amount	Hundreds	Tens	Ones
652 LE			
248 LE			
Sum			

f

Amount	Hundreds	Tens	Ones
724 LE			
172 LE			
Sum			

g

Amount	Hundreds	Tens	Ones
560 LE			
159 LE			
Sum			

h

Amount	Hundreds	Tens	Ones
287 LE			
279 LE			
Sum			

2 Add:

a

Amount	Hundreds	Tens	Ones
725 LE			
273 LE			
Sum			

b

Amount	Hundreds	Tens	Ones
632 LE			
157 LE			
Sum			

c

Amount	Hundreds	Tens	Ones
624 LE			
182 LE			
Sum			

d

Amount	Hundreds	Tens	Ones
247 LE			
189 LE			
Sum			

e

Amount	Hundreds	Tens	Ones
605 LE			
187 LE			
Sum			

f

Amount	Hundreds	Tens	Ones
500 LE			
455 LE			
Sum			

g

Amount	Hundreds	Tens	Ones
75 LE			
19 LE			
Sum			

h

Amount	Hundreds	Tens	Ones
83 LE			
57 LE			
Sum			

3 Subtract:

a

Amount	Hundreds	Tens	Ones
854 LE			
142 LE			
Difference			

b

Amount	Hundreds	Tens	Ones
632 LE			
321 LE			
Difference			

c

Amount	Hundreds	Tens	Ones
456 LE			
126 LE			
Difference			

d

Amount	Hundreds	Tens	Ones
724 LE			
224 LE			
Difference			

e

Amount	Hundreds	Tens	Ones
514 LE			
123 LE			
Difference			

f

Amount	Hundreds	Tens	Ones
638 LE			
481 LE			
Difference			

g

Amount	Hundreds	Tens	Ones
753 LE			
175 LE			
Difference			

h

Amount	Hundreds	Tens	Ones
674 LE			
269 LE			
Difference			

4 Subtract:

a

Amount	Hundreds	Tens	Ones
			
555 LE			
183 LE			
Difference			

b

Amount	Hundreds	Tens	Ones
			
617 LE			
259 LE			
Difference			

c

Amount	Hundreds	Tens	Ones
			
328 LE			
150 LE			
Difference			

d

Amount	Hundreds	Tens	Ones
			
527 LE			
279 LE			
Difference			

e

Amount	Hundreds	Tens	Ones
			
421 LE			
137 LE			
Difference			

f

Amount	Hundreds	Tens	Ones
			
503 LE			
159 LE			
Difference			

g

Amount	Hundreds	Tens	Ones
			
425 LE			
198 LE			
Difference			

h

Amount	Hundreds	Tens	Ones
			
600 LE			
275 LE			
Difference			

Worksheet 5

First: Choose the correct answer:

- a Nine hundred and fifteen = (915 or 950 or 905)
 b 6 Hundreds + 3 Ones + 2 Tens = (632 or 623 or 236)
 c The number that comes right after 569 is (579 or 568 or 570)
 d The **value** of the digit 4 in 942 is (4 or 40 or 400)
 e 20 LE + 20 LE + 10 LE = LE. (221 or 410 or 50)

Second: Answer the following:

a Find the amount of money:

1



..... + + + + +
 Pounds.

2



Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

b Draw according to the amount of money:

1

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 371			

2

Hundreds	Tens	Ones	Pounds
.....			
..... + + = 730			

c Add:

Amount	Hundreds	Tens	Ones
405 LE			
195 LE			
Sum			

d Subtract:

Amount	Hundreds	Tens	Ones
654 LE			
378 LE			
Difference			

Chapter 8

Chapter Lessons

Lessons 1-3

Even Numbers and Odd Numbers

Outcomes:

- Participating in Calendar Math Activities.
- Determining whether a number is even or odd.
- Describing a number as even or odd.
- Determining whether doubling a number results in an even or an odd sum.
- Finding the sum of two numbers.
- Determining whether adding an even and an odd number results in an even or an odd sum.

Lessons 4&5

Patterns

Outcomes:

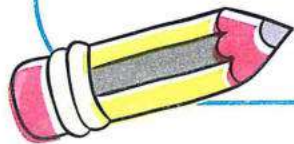
- Participating in Calendar Math Activities.
- Identifying the rule for a numerical pattern.
- Extending a numerical pattern into two places.
- Applying a rule to create a numerical pattern up to five places.
- Adding or subtracting to extend a pattern.
- Matching a rule to a numerical pattern.
- Extending a numerical pattern using a given rule.
- Creating a pattern rule and matching numerical patterns.
- Creating addition and subtraction pattern rules.
- Extending numerical patterns to five places using a given rule.

Lessons 6-10

Arrays

Outcomes:

- Participating in Calendar Math Activities.
- Defining arrays.
- Identifying arrays and non-arrays.
- Creating an array.
- Using repeated addition to find the total number of objects in an array.
- Writing an addition equation to express the total number of objects in an array.
- Designing an array using repeated addition.



Lessons 1-3

Even Numbers and Odd Numbers

الأعداد الزوجية والفردية

Even Numbers

الأعداد الزوجية



Even numbers **can** make perfect partners; no one will be left out. So, **6** is an **even** number.

هي الأعداد التي يمكن قسمتها إلى جزأين متساويين (بدون باق).

Any number that has **0, 2, 4, 6** or **8** in the **Ones** place is called an **even** number.

1 Circle the **even** numbers:

200 , 15 , 63 , 20 ,
84 , 913 , 910 , 212 ,
214 , 187 , 520 , 113 ,
772 , 366 , 781 , 28

Odd Numbers

الأعداد الفردية



Odd numbers **cannot** make perfect partners; one will be left out. So, **7** is an **odd** number.

هي الأعداد التي لا يمكن قسمتها إلى جزأين متساويين (الباقى دائماً واحد).

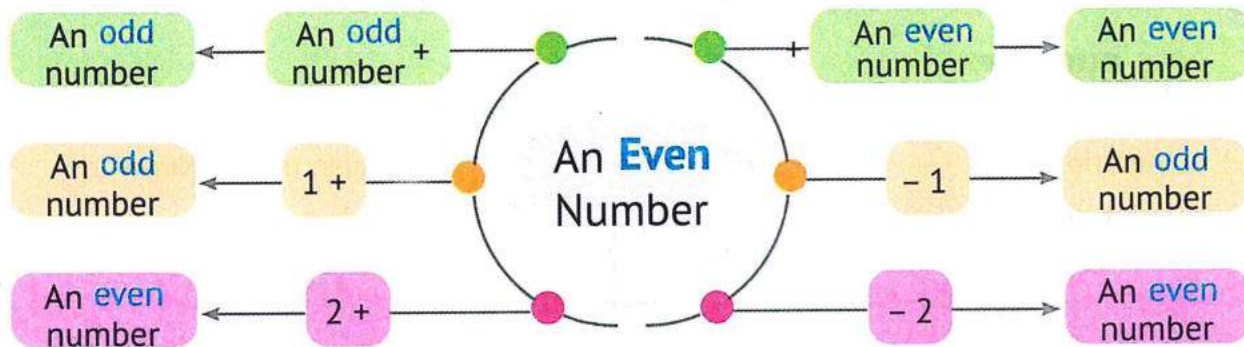
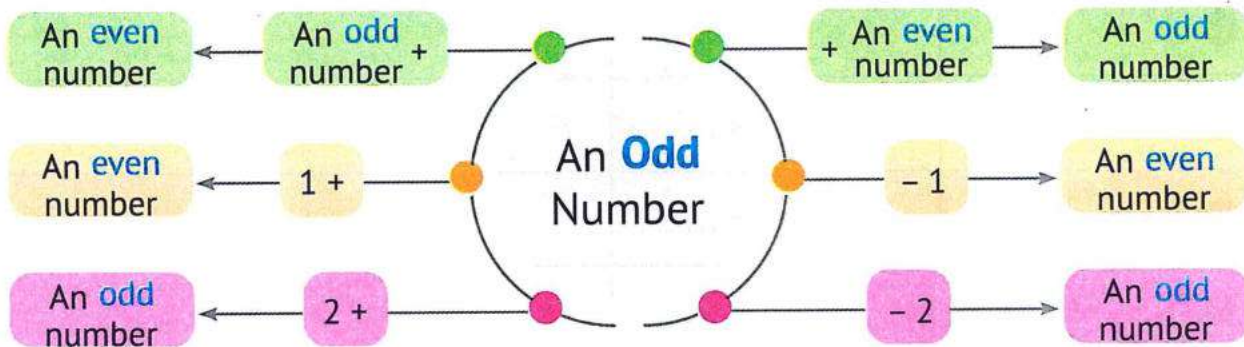
Any number that has **1, 3, 5, 7** or **9** in the **Ones** place is called an **odd** number.

2 Circle the **odd** numbers:

48 , 51 , 127 , 366 ,
541 , 147 , 258 , 362 ,
270 , 21 , 547 , 36 ,
121 , 255 , 474

3 Complete:

- a The **even** number that comes just **after** 24 is
- b The **even** number that comes just **after** 313 is
- c The **odd** number that comes just **before** 91 is
- d The **odd** number that comes just **before** 350 is
- e The **odd** numbers **between** 25 and 32 are



4 Complete:

- a The sum of two **odd** numbers is an number.
- b The sum of two **even** numbers is an number.
- c The sum of an **odd** number and an **even** number is an number.
- d The sum of an **odd** number and 1 is an number.
- e The sum of an **even** number and 2 is an number.

- 5** Double each number and then determine if the sum is an **even** number or an **odd** number:

Number	Double	Even Number or Odd Number
a 2	$2 + 2 = 4$	Even Number
b 5	..... + ..... = .....	.....
c 9	..... + ..... = .....	.....
d 6	 + =	Even Number
e 13	..... + ..... = .....	.....
f 10	..... + ..... = .....	.....

- 6** Find the **sum** and then determine if the sum is an **even** number or an **odd** number:

Addition	Sum	Even Number or Odd Number
a $5 + 7$	12	Even Number
b $3 + 6$		
c $8 + 6$		
d $37 + 15$		
e $24 + 25$		
f $12 + 38$		

HOME ACTIVITIES



1 Circle the **even** numbers:

125 , 278 , 568 , 249 , 52 , 76 , 621 , 95

473 , 111 , 337 , 900 , 54 , 101 , 645 , 62

503 , 210 , 374 , 222 , 12 , 219 , 320 , 15

660 , 277 , 126 , 357 , 103 , 38 , 20 , 999

2 Circle the **odd** numbers:

541 , 257 , 336 , 774 , 89 , 98 , 56 , 65

102 , 315 , 211 , 112 , 108 , 659 , 221 , 100

45 , 12 , 290 , 244 , 131 , 633 , 717 , 210

103 , 275 , 600 , 444 , 68 , 92 , 137 , 415

3 Complete:

a The **even** number that comes right **after**:

1 33 is

2 52 is

3 59 is

4 622 is

5 924 is

6 155 is

b The **even** number that comes right **before**:

1 12 is

2 30 is

3 61 is

4 345 is

5 102 is

6 700 is

4 Complete:

a The **odd** number that comes right **after**:

1 23 is

2 53 is

3 99 is

4 126 is

5 421 is

6 550 is

b The **odd** number that comes right **before**:

1 14 is

2 67 is

3 41 is

4 534 is

5 100 is

6 777 is

5 Complete:

a The odd numbers **between** 52 and 62 are:

.....

b The even numbers **between** 102 and 110 are:

.....

c The sum of two **odd** numbers is an number.

d The sum of two **even** numbers is an number.

e The sum of an **odd** number and an **even** number is an number.

f An **odd** number + 1 = an number.

g An **odd** number + 2 = an number.

h An **odd** number - 1 = an number.

i An **odd** number - 2 = an number.

j An **even** number + 1 = an number.

k An **even** number + 2 = an number.

l An **even** number - 1 = an number.

m An **even** number - 2 = an number.

- 6 Double each number and then determine if the sum is an even number or an odd number:

Number	Double	Even Number or Odd Number
a 2	 + =	
b 3	 + =	
c 7	 + =	
d 8	 + =	
e 9	 + =	
f 1	 + =	
g 5	 + =	
h 6	 + =	
i 4	 + =	

Number	Double	Even Number or Odd Number
j 43	 + =	
k 25	 + =	
l 44	 + =	
m 18	 + =	
n 19	 + =	
o 10	 + =	
p 51	 + =	
q 26	 + =	
r 32	 + =	

- 7 Find the sum and then determine if the sum is an even number or an odd number:

Addition	Sum	Even Number or Odd Number
a 4+3		
b 8+6		
c 7+7		
d 9+5		
e 4+2		
f 12+14		
g 17+8		
h 12+5		
i 23+31		

Addition	Sum	Even Number or Odd Number
j 23+5		
k 14+7		
l 9+17		
m 33+8		
n 22+18		
o 77+2		
p 37+4		
q 12+81		
r 43+36		

Worksheet

1

First: Choose the correct answer:

- a** The **even** number that comes right **after** 452 is
(451 **or** 453 **or** 454)
- b** The sum of two **odd** numbers is an number. (odd **or** even)
- c** 5 Ones + 7 Tens + 6 Hundreds = (576 **or** 675 **or** 765)
- d** The **smallest** 3-digit number is (100 **or** 102 **or** 123)
- e** is an **even** number. (253 **or** 867 **or** 536)

Second: Complete the following:

- a** 25, 43, and 267 are numbers.
- b** The **greatest** 3-different-digit number is
- c** The **place value** of the digit 8 in 258 is
- d** The **odd** number that comes right **before** 101 is
- e** $208 = 8 + \dots$

Third: Answer the following:

a From the following numbers:

425 , 47 , 102 , 318 , 236 , 223 , 71 , 479 , 80

The **even** numbers are:

The **odd** numbers are:

b Create a story problem, then solve it:

Salah – had – 500 LE – bought – a bicycle – 300 LE – the money left.

.....

.....

.....

.....

Lessons

4&5

Patterns

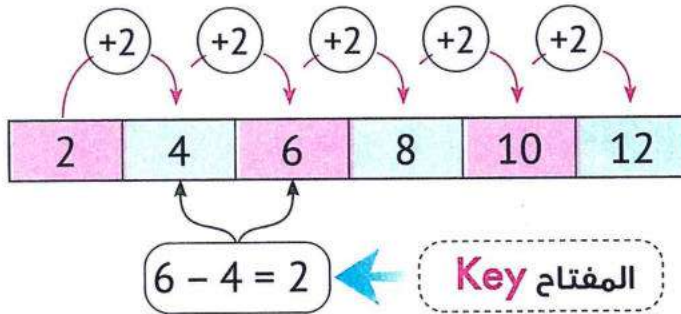
الأنماط العددية

To complete a numerical pattern:

لكي تكمل النمط العددي

- Find the **key** by **subtracting** any two **consecutive** numbers.
- أوجد قاعدة النمط (المفتاح) بطرح أي عددين متتاليين.
- Find out if the pattern is ascending **(+)** or descending **(-)**.
- اكتشف، هل النمط تصاعدي (+) أم تنازلي (-)؟
- Complete the pattern.
- أكمل النمط العددي.

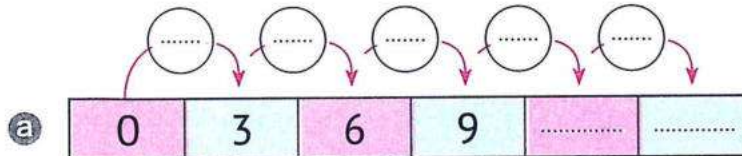
Ex.



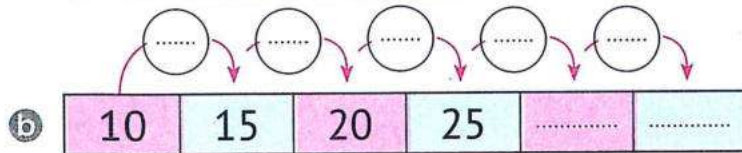
Rule

+ 2

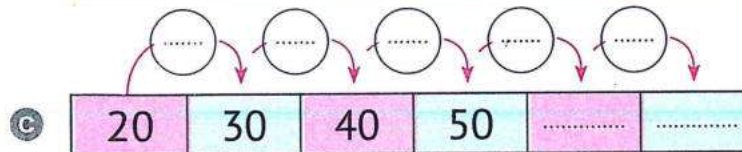
1 Complete the following numerical patterns:



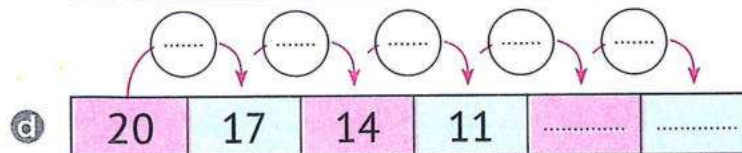
Rule



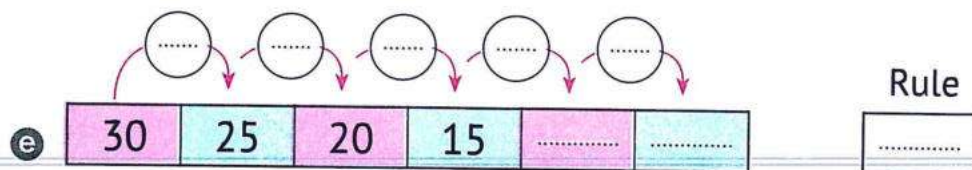
Rule



Rule



Rule



2 Identify the **rule** and complete the pattern, then match the **pattern** to its **rule**:

Pattern		Rule
a	75 , 66 , 57 , ,	1 + 10
b	30 , 40 , 50 , ,	2 + 6
c	12 , 18 , 24 , ,	3 - 9
d	66 , 70 , 74 , ,	4 - 10
e	90 , 80 , 70 , ,	5 - 3
f	27 , 24 , 21 , ,	6 + 4

3 Use the **given rule** to complete the numerical pattern:

a

Rule + 5 → 35 , , , ,

- 2 → 35 , , , ,

b

Rule + 2 → 20 , , , ,

- 3 → 20 , , , ,

c

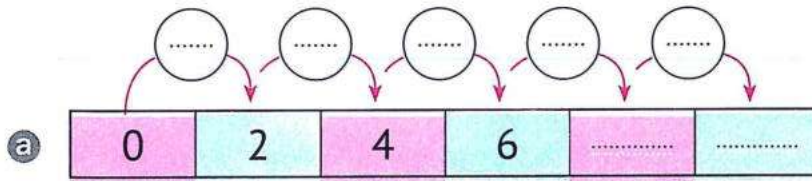
Rule + 4 → 37 , , , ,

- 4 → 37 , , , ,

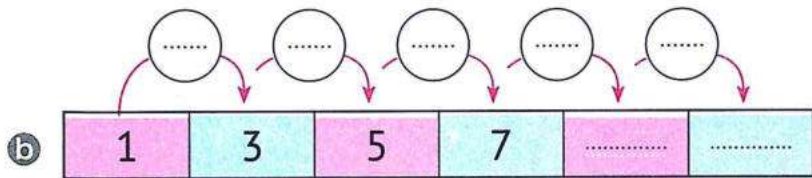
HOME ACTIVITIES



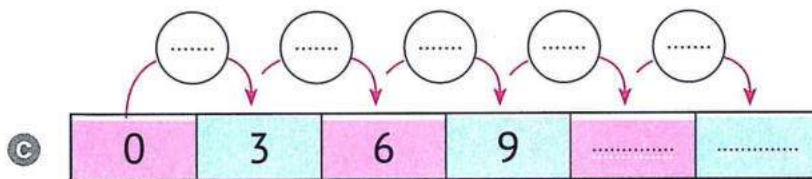
1 Complete the following numerical patterns:



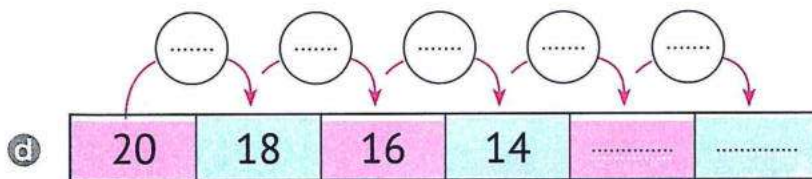
Rule



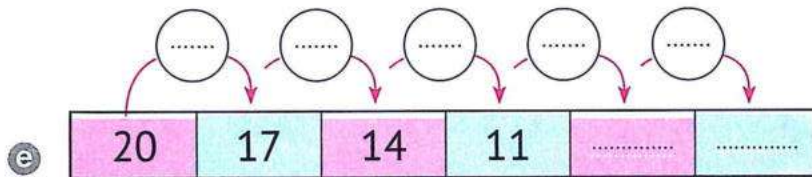
Rule



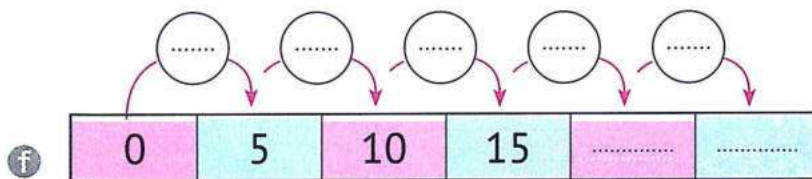
Rule



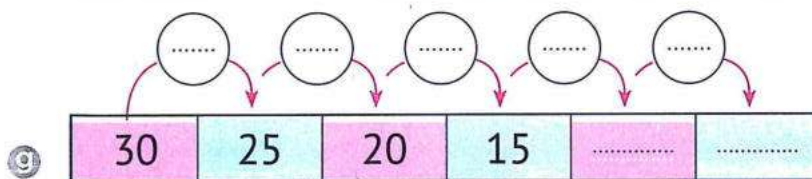
Rule



Rule

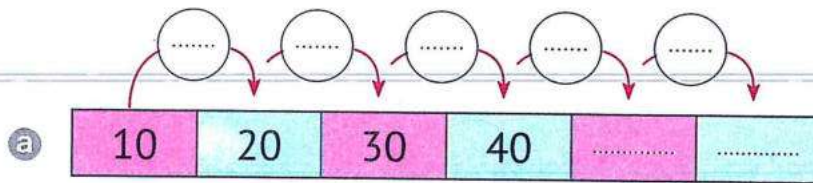


Rule

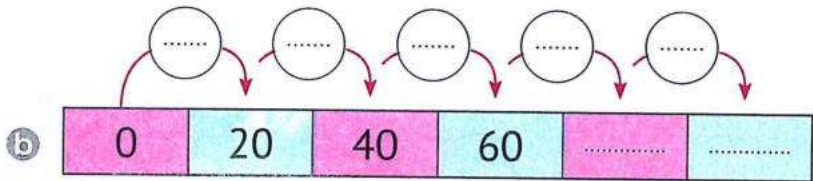


Rule

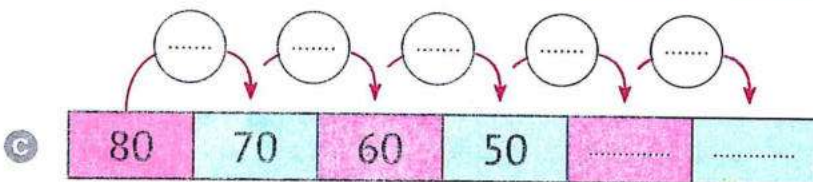
2 Complete the following numerical patterns:



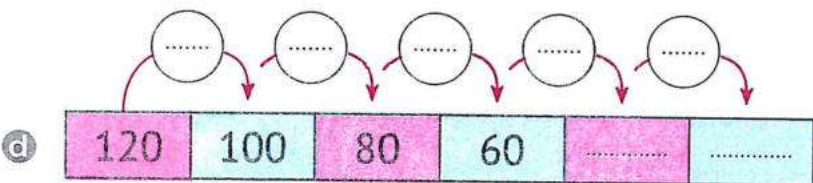
Rule



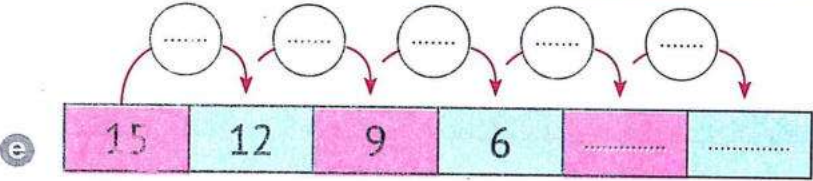
Rule



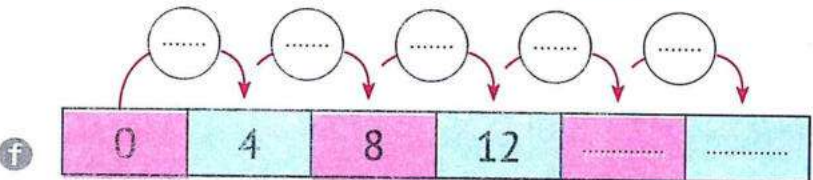
Rule



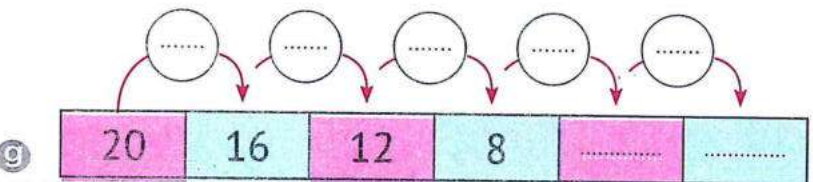
Rule



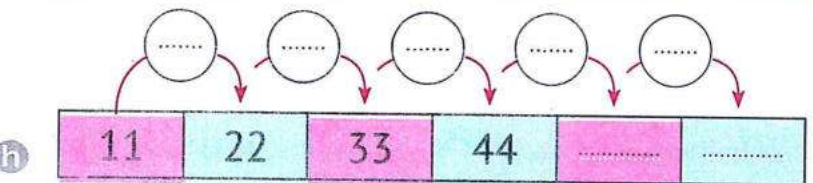
Rule



Rule



Rule



Rule

- 3 Identify the **rule** and complete the pattern, then match the **pattern** to its **rule**:

Pattern		Rule
a	2 , 4 , 6 , ,	1 - 2
b	24 , 22 , 20 , ,	2 - 9
c	75 , 66 , 57 , ,	3 + 2
d	75 , 78 , 81 , ,	4 - 10
e	30 , 40 , 50 , ,	5 + 3
f	70 , 60 , 50 , ,	6 + 10

- 4 Identify the **rule** and complete the pattern, then match the **pattern** to its **rule**:

Pattern		Rule
a	12 , 18 , 24 , ,	1 - 6
b	36 , 30 , 24 , ,	2 + 6
c	66 , 70 , 74 , ,	3 - 4
d	82 , 78 , 74 , ,	4 + 4
e	90 , 80 , 70 , ,	5 - 3
f	27 , 24 , 21 , ,	6 - 10

5 Use the **given rule** to complete the numerical pattern:

a

Rule

$+ 5 \rightarrow 35$, , , ,

$- 2 \rightarrow 35$, , , ,

b

Rule

$+ 2 \rightarrow 20$, , , ,

$- 3 \rightarrow 20$, , , ,

c

Rule

$+ 5 \rightarrow 50$, , , ,

$- 5 \rightarrow 50$, , , ,

d

Rule

$+ 10 \rightarrow 50$, , , ,

$- 10 \rightarrow 50$, , , ,

e

Rule

$+ 11 \rightarrow 33$, , , ,

$- 5 \rightarrow 33$, , , ,

f

Rule

$+ 4 \rightarrow 37$, , , ,

$- 4 \rightarrow 37$, , , ,

Worksheet 2

First: Choose the correct answer:

- a 20 Tens = Hundreds (2 or 20 or 200)
 b 600 Ones = Tens (6 or 60 or 600)
 c $5 + 0 + 3 =$ (503 or 8 or 53)
 d The number that comes **after** 399 is (400 or 499 or 398)
 e Seven hundred forty = (714 or 740 or 704)

Second: Complete the following:

- a The **greatest** 3-different-digit number is
 b The **place value** of the digit 6 in 620 is
 c $25 + \dots = 65 + 25$
 d 23, 33, 43, **Rule:** (In the same pattern)
 e "3 Ones, 5 Tens, 2 Hundreds" in **digits** is

Third: Answer the following:

a Use the given rule to complete the numerical pattern:

1 35 , , , ,	Rule	+ 5
2 35 , , , ,	Rule	- 2
3 33 , , , ,	Rule	+11
4 33 , , , ,	Rule	- 5

b Put (>, =, or <):

- 1 806 860 2 325 $300 + 25$
 3 5 Hundreds 20 Tens 4 $90 + 2$ $90 - 2$

c Arrange the following numbers in an ascending order:

523 , 203 , 620



Arrays

المصفوفات

Array مصفوفة

It is a collection of objects arranged in horizontal rows and vertical columns, and it's complete with no empty spaces.

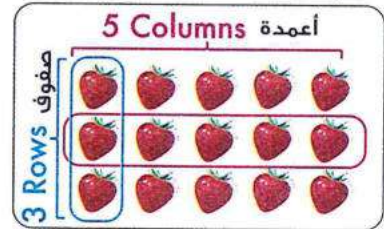
هي مجموعة من الأشياء المرتبة في صفوف أفقية، وأعمدة رأسية، وهي مكتملة لا يوجد بها فراغات.

Ex. In the opposite array:

The number of rows is 3.

The number of strawberries in each row is 5.

The total number of strawberries is $5 + 5 + 5 = 15$ strawberries.



The number of columns is 5.

The number of strawberries in each column is 3.

The total number of strawberries is $3 + 3 + 3 + 3 + 3 = 15$ strawberries.

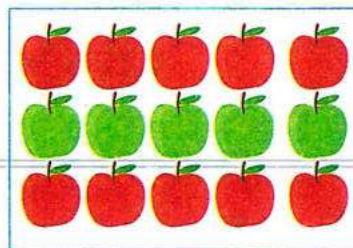
The array is called: 3 by 5 (3 rows by 5 columns).

★ Complete the following according to the array:

- a **1** The number of rows is
- 2** The number of balls in each row is balls.
- 3** The total number of balls is + + = balls.
- 4** The number of columns is
- 5** The number of balls in each column is balls.
- 6** The total number of balls is + + + + + = balls.
- 7** The array is called: by

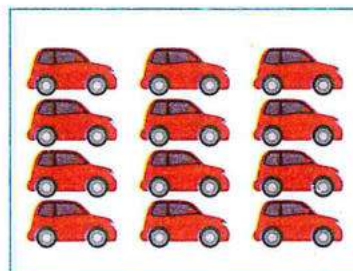


- b
- 1 The number of rows is
 - 2 The number of **apples** in each row is apples.
 - 3 The total number of **apples** is
..... + + = apples.



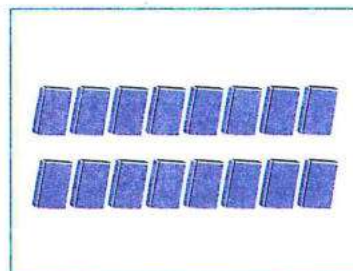
- 4 The number of columns is
- 5 The number of **apples** in each column is apples.
- 6 The total number of **apples** is + + + +
= apples.
- 7 The array is called: by

- c
- 1 The number of rows is
 - 2 The number of **cars** in each row is cars.
 - 3 The total number of **cars** is
..... + + + = cars.



- 4 The number of columns is
- 5 The number of **cars** in each column is cars.
- 6 The total number of **cars** is + + = cars.
- 7 The array is called: by

- d
- 1 The number of rows is
 - 2 The number of **books** in each row is books.
 - 3 The total number of **books** is
..... + = books.



- 4 The number of columns is
- 5 The number of **books** in each column is books.
- 6 The total number of **books** is
..... + + + + + + + = books.
- 7 The array is called: by



HOME ACTIVITIES

Complete the following according to the **array**:

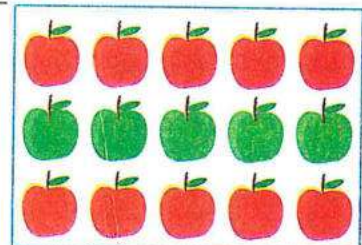
- a
- 1 The number of rows is
 - 2 The number of **balls** in each row is balls.
 - 3 The total number of **balls** is
..... + + = balls.
 - 4 The number of columns is
 - 5 The number of **balls** in each column is balls.
 - 6 The total number of **balls** is + + + + +
= balls.
 - 7 The array is called: by



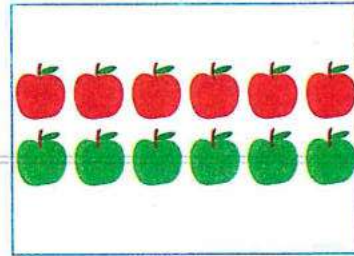
- b
- 1 The number of rows is
 - 2 The number of **balls** in each row is balls.
 - 3 The total number of **balls** is
..... + + + = balls.
 - 4 The number of columns is
 - 5 The number of **balls** in each column is balls.
 - 6 The total number of **balls** is + + + + = balls.
 - 7 The array is called: by



- c
- 1 The number of rows is
 - 2 The number of **apples** in each row is apples.
 - 3 The total number of **apples** is
..... + + = apples.
 - 4 The number of columns is
 - 5 The number of **apples** in each column is apples.
 - 6 The total number of **apples** is + + + + = apples.
 - 7 The array is called: by

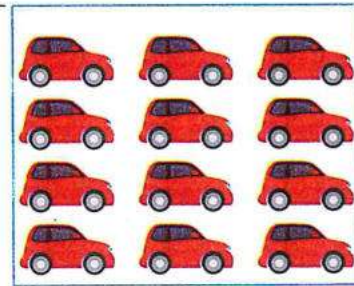


- d 1 The number of rows is
- 2 The number of **apples** in each row is apples.
- 3 The total number of **apples** is
 + = apples.



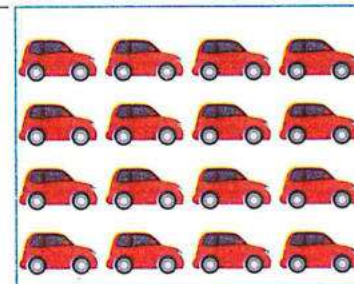
- 4 The number of columns is
- 5 The number of **apples** in each column is apples.
- 6 The total number of **apples** is + + + + +
 = apples.
- 7 The array is called: by

- e 1 The number of rows is
- 2 The number of **cars** in each row is cars.
- 3 The total number of **cars** is
 + + + = cars.



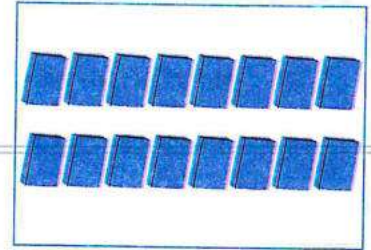
- 4 The number of columns is
- 5 The number of **cars** in each column is cars.
- 6 The total number of **cars** is + + = cars.
- 7 The array is called: by

- f 1 The number of rows is
- 2 The number of **cars** in each row is cars.
- 3 The total number of **cars** is
 + + + = cars.



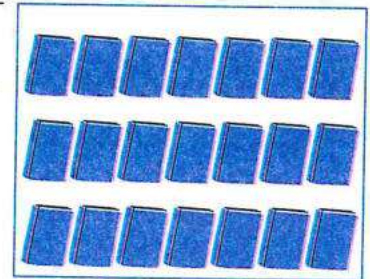
- 4 The number of columns is
- 5 The number of **cars** in each column is cars.
- 6 The total number of **cars** is + + + = cars.
- 7 The array is called: by

- g
- 1 The number of rows is
 - 2 The number of **books** in each row is books.
 - 3 The total number of **books** is
..... + = books.



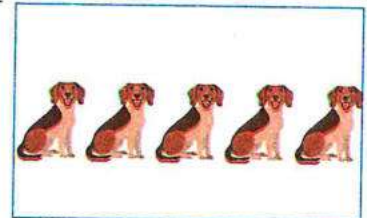
- 4 The number of columns is
- 5 The number of **books** in each column is books.
- 6 The total number of **books** is
..... + + + + + + + = books.
- 7 The array is called: by

- h
- 1 The number of rows is
 - 2 The number of **books** in each row is books.
 - 3 The total number of **books** is
..... + + = books.



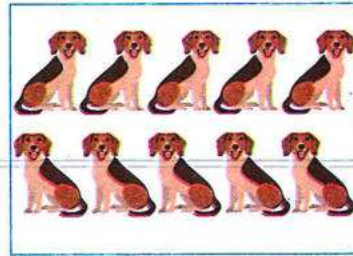
- 4 The number of columns is
- 5 The number of **books** in each column is books.
- 6 The total number of **books** is
..... + + + + + + = books.
- 7 The array is called: by

- i
- 1 The number of rows is
 - 2 The number of **dogs** in each row is dogs.
 - 3 The total number of **dogs** is dogs.



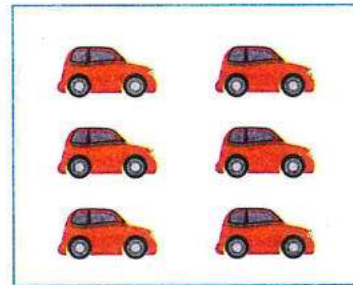
- 4 The number of columns is
- 5 The number of **dogs** in each column is dogs.
- 6 The total number of **dogs** is
..... + + + + = dogs.
- 7 The array is called: by

- j
- 1 The number of rows is
 - 2 The number of **dogs** in each row is dogs.
 - 3 The total number of **dogs** is
..... = dogs.



- 4 The number of columns is
- 5 The number of **dogs** in each column is dogs.
- 6 The total number of **dogs** is
= dogs.
- 7 The array is called: by

- k
- 1 The number of rows is
 - 2 The number of **cars** in each row is cars.
 - 3 The total number of **cars** is
..... = cars.



- 4 The number of columns is
- 5 The number of **cars** in each column is cars.
- 6 The total number of **cars** is
= cars.
- 7 The array is called: by

Worksheet 3

First: Choose the correct answer:

- a The **value** of the digit 5 in 458 is (5 or 50 or 500)
- b Four hundred and twenty = (420 or 240 or 402)
- c 5 Hundreds, 3 Ones = (350 or 503 or 530)
- d The **smallest** number formed from 3, 9 and 1 is (391 or 931 or 139)
- e The sum of two **even** numbers is an number. (odd or even)

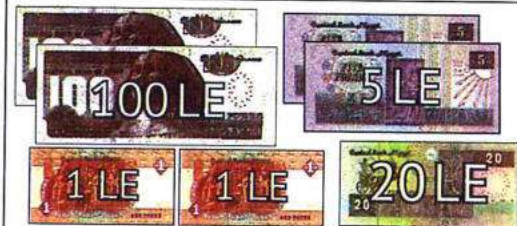
Second: Complete the following:

- a The **greatest** 3-different-digit number is
- b The **place value** of the digit 8 in 382 is
- c 310 , 320 , (in the same pattern).
- d 509 (in words) =
- e Ones + Hundreds = 708

Third: Answer the following:

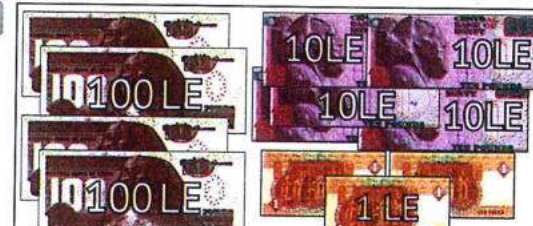
a Find the total amount of money:

1



Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

2



Hundreds	Tens	Ones	Pounds
.....			
..... + + =			

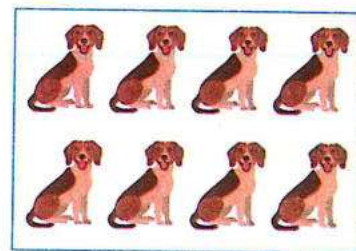
b Complete according to the array:

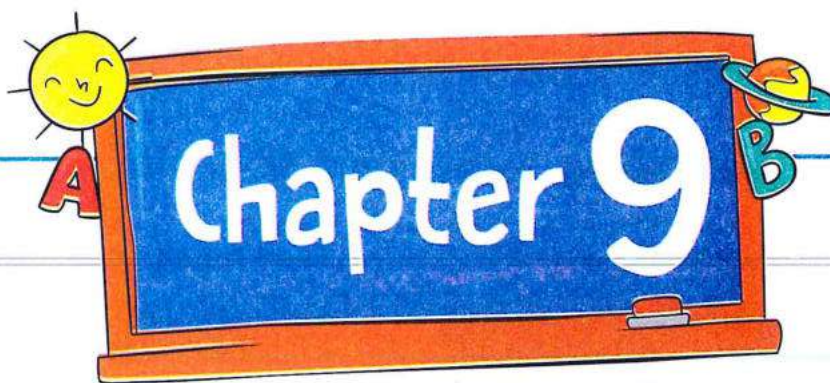
The total number of dogs is

..... = dogs

or = dogs.

The array is called: by





Chapter Lessons

Lesson 1

Estimating Sums and Differences

Outcomes:

- Participating in Calendar Math Activities.
- Applying strategies to estimate quantities.
- Applying strategies to estimate sums and differences.

Lesson 2

Rounding to the Nearest Ten

Outcomes:

- Participating in Calendar Math Activities.
- Rounding 2-digit numbers to the nearest Ten.
- Rounding two 2-digit numbers to estimate their sums.

Lesson 3

Applications on Estimating and Rounding

Outcomes:

- Participating in Calendar Math Activities.
- Applying estimation strategies in problem solving situations.
- Estimating sums and differences.
- Rounding 3-digit numbers to the nearest Hundred.

Lessons 4&5

Adding Two 2-Digit Numbers With Regrouping

Outcomes:

- Participating in Calendar Math Activities.
- Adding two 2-digit numbers with regrouping.
- Explaining why it is sometimes necessary to regroup to solve problems.
- Using place value to regroup and add.

Lessons 6-8

Adding Two 3-Digit Numbers

Outcomes:

- Participating in Calendar Math Activities.
- Using place value models to regroup and add.
- Adding two 2-digit numbers with regrouping.
- Adding two 3-digit numbers with regrouping.
- Applying mental math strategies to solve an addition problem involving regrouping.

Lessons 9&10

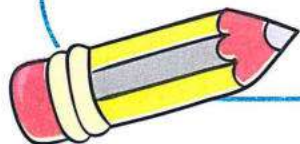
Various Strategies for Adding Two Numbers

Outcomes:

- Participating in Calendar Math Activities.
- Adding two 2- and 3-digit-numbers with regrouping.
- Making connection between concrete and abstract models of regrouping.
- Identifying and correcting errors in estimation and regrouping problems.

1
2
3

A
B
C
★





Estimating Sums and Differences

تقدير ناتج الجمع والطرح

Front-End Estimation Strategy

To estimate a two-digit number:

لتقدير عدد مكون من رقمين:

- Replace the **Ones** digit with **zero**.

- احذف رقم الآحاد وضع مكانه صفرًا.

- Keep the **Tens** digit as it is.

- احتفظ برقم العشرات (أول رقم من اليسار) كما هو دون تغيير.

24 → 20

47 → 40

To estimate a three-digit number:

لتقدير عدد مكون من ٣ أرقام:

- Replace the **Ones** and **Tens** digits with **zeros**.

- احذف رقمي الآحاد والعشرات وضع مكانهما صفرين.

- Keep the **Hundreds** digit as it is.

- احتفظ برقم المئات (أول رقم من اليسار) كما هو دون تغيير.

142 → 100

589 → 500

1 Estimate:

a 57 →

b 127 →

c 37 →

d 92 →

e 609 →

f 378 →

2 Use front-end estimation to rewrite the problems.

Then estimate the **result** of the sum or difference:

a 53 + 15 → + =

b 86 - 25 → - =

c 57 + 22 → + =

d 93 - 41 → - =

HOME ACTIVITIES



1 Estimate:

a 53 →

b 28 →

c 92 →

d 14 →

e 37 →

f 69 →

g 96 →

h 538 →

i 327 →

j 196 →

k 300 →

l 547 →

m 821 →

n 107 →

2 Use front-end estimation to rewrite the problems.

Then estimate the result of the sum or difference:

a $45 + 38$ → + =

b $63 - 45$ → - =

c $68 + 17$ → + =

d $42 - 36$ → - =

e $37 + 18$ → + =

f $98 - 36$ → - =

g $458 + 254$ → + =

h $456 - 217$ → - =

3 Find the result and then estimate, as in the examples:

Ex.

24	→	20
+ 37	→	+ 30
61		50

a

34	→	.....
+ 35	→	+
.....		

c

48	→	.....
+ 34	→	+
.....		

e

60	→	.....
+ 18	→	+
.....		

g

53	→	.....
+ 35	→	+
.....		

Ex.

86	→	80
- 34	→	- 30
52		50

b

45	→	.....
- 23	→	-
.....		

d

79	→	.....
- 15	→	-
.....		

f

88	→	.....
- 17	→	-
.....		

h

58	→	.....
- 47	→	-
.....		

Worksheet

1

First: Choose the correct answer:

- a The **greatest** number formed from the digits 3, 5 and 8 is
 (538 or 853 or 385)
- b 7 Hundreds, 2 Tens, 3 Ones =
 (723 or 327 or 272)
- c The **place value** of 4 in 548 is (Ones or Tens or Hundreds)
- d $864 = \dots + 60 + 4$ (8 or 80 or 800)
- e $4 + 0 + 2 = \dots$ (6 or 42 or 402)

Second: Complete the following:

- a The number that comes right **before** 567 is
- b The number of vertices of the **cube** is
- c $27 + 65 = \dots + 27$
- d $85 - \dots = 35$
- e 200, 300, 400,, **Rule:** (In the same pattern)

Third: Answer the following:

- a Ahmed bought a book for **35 LE** and a pen for **22 LE**.
 How much money did he pay?
 • Ahmed paid = + = LE.

b Put (<, >, or =):

1 $784 \square 784$

2 $475 \square 40 + 700 + 5$

3 $264 \square 200 + 3$

4 7 Hundreds, 4 Tens $\square 704$

c Estimate:

1 $357 \rightarrow \dots$

2 $58 \rightarrow \dots$

3 $627 \rightarrow \dots$

4 $73 \rightarrow \dots$

Lesson 2

Rounding to the Nearest Ten

التقريب لأقرب عشرة

Rounding means replacing the number with another number that is very close to it, according to a certain rule.

التقريب هو حذف العدد ووضع عدد آخر قريب منه جدًا، طبقًا لقاعدة محددة.

التقريب باستخدام خط الأعداد Rounding Using a Number Line

When numbers from 70 to 80 are rounded to the nearest 10:

عند تقريب الأعداد من ٧٠ إلى ٨٠ لأقرب ١٠:

- 1 We determine the midpoint between 70 and 80, which is 75.
نحدد نقطة المنتصف بين العددين ٧٠ و ٨٠ وهي (٧٥).
- 2 Numbers to the left of the midpoint are closest to the smaller number, 70.
الأعداد التي تقع على يسار نقطة المنتصف أقرب إلى العدد الأصغر (٧٠).
- 3 Numbers to the right of the midpoint are closest to the larger number, 80.
الأعداد التي تقع على يمين نقطة المنتصف أقرب إلى العدد الأكبر (٨٠).
- 4 The number at the midpoint rounds to the larger number.



Rounding Rules قواعد التقريب

1 Find the **place** of the **Tens** digit and circle it.

1 أوجد مكان العشرات وضع عليه دائرة.

2 Replace the **Ones** digit with 0.

2 احذف الآحاد وضع مكانها صفرًا.

3 Look at the **Ones** digit.

3 انظر إلى خانة الآحاد.

If the **Ones** digit is 0, 1, 2, 3 or 4,
the **Tens** digit stays as it is.

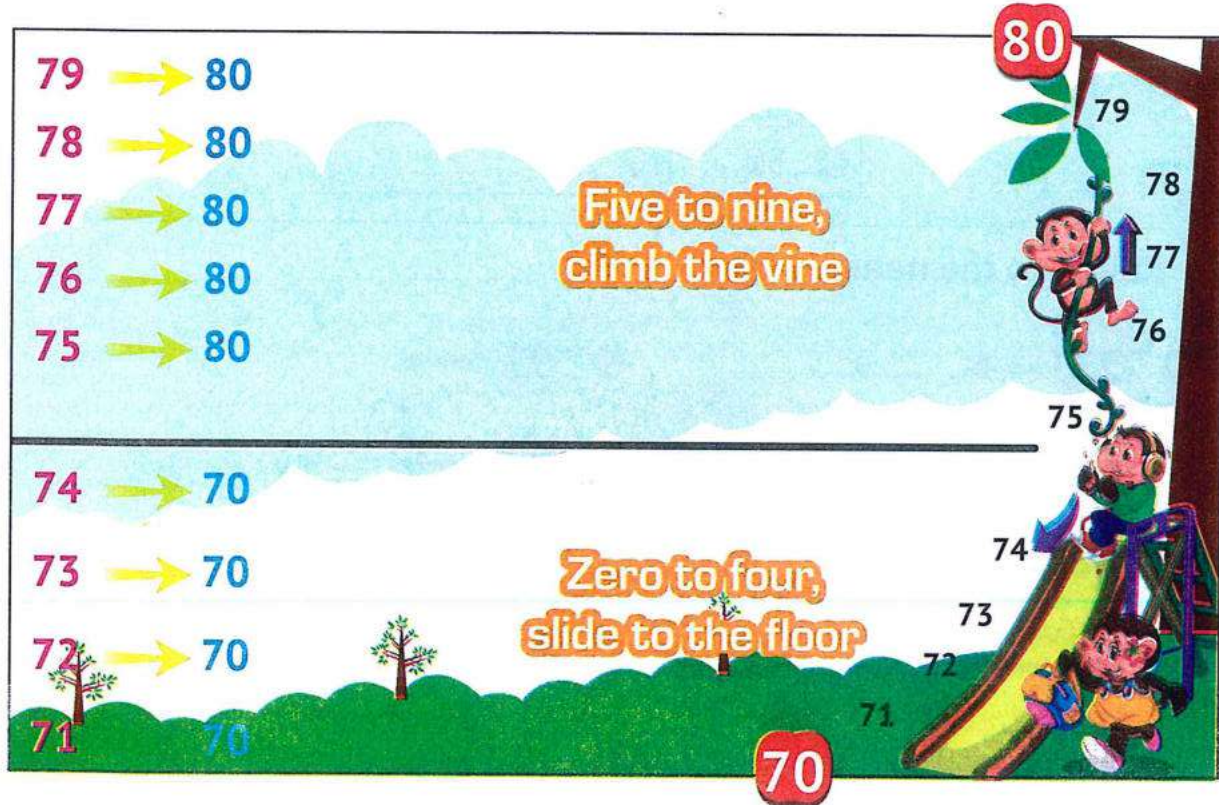
لو كان رقم الآحاد ٠، ١، ٢، ٣، ٤،
يبقى رقم العشرات كما هو.

$\begin{array}{c} \textcircled{2} \text{ 2} \\ \downarrow \\ 2 \text{ 0} \end{array}$

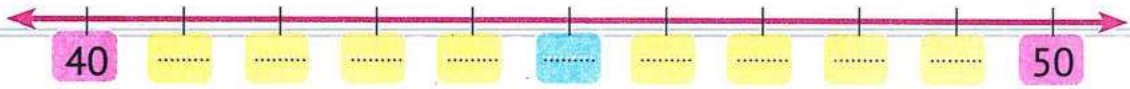
If the **Ones** digit is 5, 6, 7, 8 or 9,
we add 1 to the **Tens** digit.

لو كان رقم الآحاد ٥، ٦، ٧، ٨، ٩،
نضيف (١) إلى رقم العشرات.

$\begin{array}{c} \textcircled{7} \text{ 6} \\ +1 \downarrow \\ 8 \text{ 0} \end{array}$



1 Use the blank **number line** to help you round each number to the nearest **Ten**:



Number	Rounding to the Nearest 10
a 41	
b 42	
c 43	
d 44	
e 45	
f 46	
g 47	
h 48	
i 49	
j 50	

2 Round to the nearest **10**:

a **23** →

b **97** →

c **324** →

d **87** →

e **34** →

f **62** →

g **738** →

h **55** →

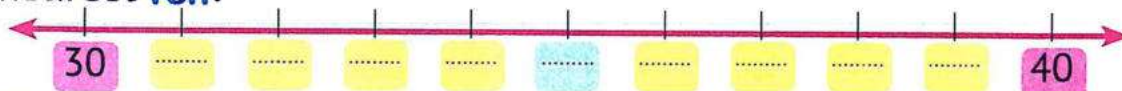
i **18** →

j **297** →

HOME ACTIVITIES



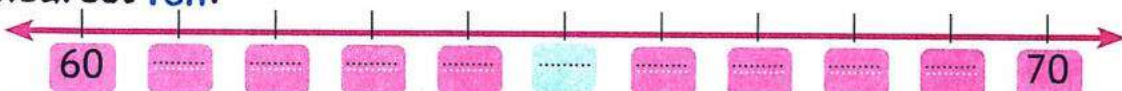
- 1 Use the blank **number line** to help you round each number to the nearest **Ten**:



Number	Rounding to the Nearest 10
a 31	
b 32	
c 33	
d 34	
e 35	

Number	Rounding to the Nearest 10
f 36	
g 37	
h 38	
i 39	
j 40	

- 2 Use the blank **number line** to help you round each number to the nearest **Ten**:



Number	Rounding to the Nearest 10
a 61	
b 62	
c 63	
d 64	
e 65	

Number	Rounding to the Nearest 10
f 66	
g 67	
h 68	
i 69	
j 70	

- 3 Use the blank **number line** to help you round each number to the nearest **Ten**:



Number	Rounding to the Nearest 10
a 91	
b 92	
c 93	
d 94	
e 95	

Number	Rounding to the Nearest 10
f 96	
g 97	
h 98	
i 99	
j 100	



4 Round to the nearest 10:

a 45 →

b 15 →

c 88 →

d 71 →

e 20 →

f 35 →

g 57 →

h 32 →

i 24 →

j 83 →

5 Round to the nearest 10:

a 347 →

b 512 →

c 295 →

d 369 →

e 315 →

f 412 →

g 732 →

h 496 →

i 517 →

j 800 →

6 Complete the following table:

	Number	Estimation	Rounding to the Nearest 10
a	78	.....	.....
b	72	.....	.....
c	75	.....	.....
d	108	.....	.....
e	103	.....	.....

Worksheet 2

First: Choose the correct answer:

- a The number that comes just **after** 573 is
 (400 **or** 574 **or** 600)
- b $425 = 5 + 20 + \dots$
 (200 **or** 300 **or** 400)
- c The **place value** of 6 in 613 is (Hundreds **or** Tens **or** Ones)
- d The **greatest** number formed from 3 digits is
 (635 **or** 700 **or** 999)
- e 456 to the nearest 10 =
 (450 **or** 460 **or** 400)

Second: Complete the following:

- a 3 Tens, 4 Ones, 7 Hundreds is written **in digits** as
- b 100, 200, 300,, (In the same pattern)
- c The **greatest** number formed from the digits 4, 1 and 9 is
- d $612 = \dots$ Tens, $\dots$ Ones, $\dots$ Hundreds.
- e 500 rounded to the nearest 10 =

Third: Answer the following:

a Round each of the following to the nearest 10:

- | | |
|---------------|---------------|
| 1 58 : | 2 36 : |
| 3 21 : | 4 14 : |
| 5 365 : | 6 718 : |
| 7 623 : | 8 298 : |

b Mina bought a group of toys for 200 LE and a mobile for 300 LE.

How much money did Mina **pay**?

• Mina paid = + = LE.

c Arrange the following numbers in an ascending order:

419 , 149 , 914 , 941

..... , , ,



Applications on Estimating and Rounding

تطبيقات على التقدير والتقريب

التقريب باستخدام خط الأعداد Rounding Using a Number Line

When numbers from 400 to 500 are rounded to the nearest 100:

عند تقريب الأعداد من ٤٠٠ إلى ٥٠٠ لأقرب ١٠٠:

1 We determine the midpoint between 400 and 500, which is 450.

1 نحدد نقطة المنتصف بين العددين ٤٠٠ و ٥٠٠ وهي (٤٥٠).

2 Numbers to the left of the midpoint are closest to the smaller number, 400.

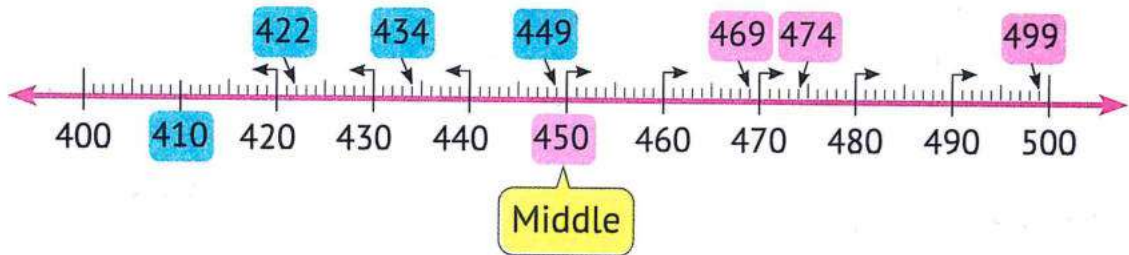
2 الأعداد التي تقع على يسار نقطة المنتصف أقرب إلى العدد الأصغر (٤٠٠).

3 Numbers to the right of the midpoint are closest to the larger number, 500.

3 الأعداد التي تقع على يمين نقطة المنتصف أقرب إلى العدد الأكبر (٥٠٠).

4 The number at the midpoint rounds to the larger number.

4 العدد الذي يقع عند نقطة المنتصف يقرب للعدد الأكبر (٥٠٠).



410 → 400

450 → 500

422 → 400

469 → 500

434 → 400

474 → 500

449 → 400

499 → 500

Rounding Rules قواعد التقريب

1 Find the **place** of the **Hundreds** digit and circle it.

1 حدد رقم المئات وضع عليه دائرة.

2 Replace the **Ones** and **Tens** digits with **zeros**.

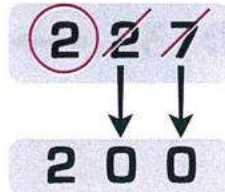
2 احذف رقمي الآحاد والعشرات وضع مكانهما صفرين (00).

3 Look at the **Tens** digit.

3 انظر إلى خانة العشرات.

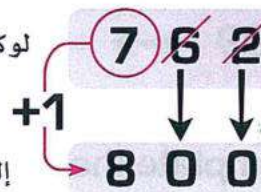
If the **Tens** digit is 0, 1, 2, 3 or 4,
the **Hundreds** digit stays as it is.

لو كان رقم العشرات
٤، ٣، ٢، ١، ٠
يبقى رقم المئات
كما هو.

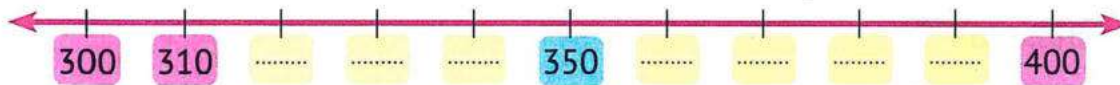


If the **Ones** digit is 5, 6, 7, 8 or 9,
we add 1 to the **Hundreds** digit.

لو كان رقم العشرات
٩، ٨، ٧، ٦، ٥
نضيف (١)
إلى رقم المئات.



1 Use the blank **number line** to help you round each number to the nearest **Hundred**:



Number	Rounding to the Nearest 100
a 302	
b 325	
c 338	
d 347	
e 349	

Number	Rounding to the Nearest 100
f 360	
g 377	
h 385	
i 392	
j 309	

2 Round to the nearest 100:

a 123 →

b 197 →

c 222 →

d 833 →

e 738 →

f 220 →

g 773 →

h 297 →

i 99 →

j 38 →

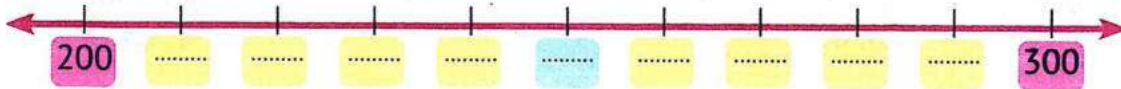
3 Complete the following table:

Number	235	a 357	b 298	c 564
Front-End Estimation	200			
Rounding to the Nearest 10	240			
Rounding to the Nearest 100	200			

HOME ACTIVITIES



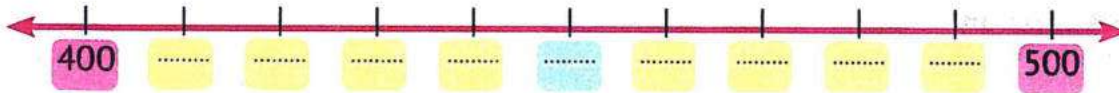
- 1 Use the blank **number line** to help you round each number to the nearest **Hundred**:



Number	Rounding to the Nearest 100
a 215	
b 231	
c 257	
d 273	
e 294	

Number	Rounding to the Nearest 100
f 228	
g 246	
h 261	
i 284	
j 250	

- 2 Use the blank **number line** to help you round each number to the nearest **Hundred**:



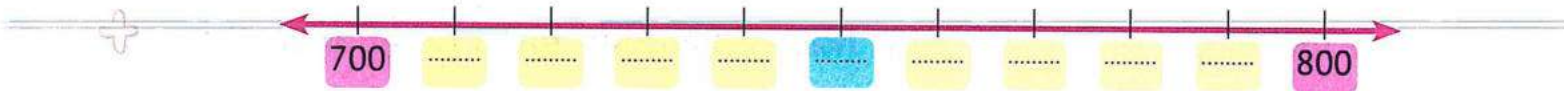
Number	Rounding to the Nearest 100
a 417	
b 423	
c 459	
d 476	
e 460	

Number	Rounding to the Nearest 100
f 436	
g 449	
h 462	
i 489	
j 499	





3 Use the blank **number line** to help you round each number to the nearest **Hundred**:



Number	Rounding to the Nearest 100
a 702	
b 719	
c 728	
d 730	
e 749	

Number	Rounding to the Nearest 100
f 781	
g 752	
h 761	
i 777	
j 792	

4 Round to the nearest **100**:

a **123** →

b **254** →

c **197** →

d **347** →

e **222** →

f **512** →

g **833** →

h **887** →

i **208** →

j **347** →

k **412** →

l **620** →

m **732** →

n **38** →

5 Complete the following table:

	Number	Estimation	Rounding to the Nearest 10	Rounding to the Nearest 100
a	238	.....	.....	.....
b	154	.....	.....	.....
c	196	.....	.....	.....
d	245	.....	.....	.....
e	632	.....	.....	.....
f	108	.....	.....	.....
g	71	.....	.....	.....
h	98	.....	.....	.....
i	45	.....	.....	.....
j	63	.....	.....	.....

Worksheet 3

First: Choose the correct answer:

- a 8 Hundreds, 5 Ones = (805 or 603 or 63)
- b The **smallest** number formed from 7, 5 and 8 is (785 or 578 or 875)
- c The **place value** of 7 in 745 is (Ones or Tens or Hundreds)
- d 583 to the nearest 100 = (600 or 580 or 500)
- e 537 comes right **after** (536 or 538 or 547)

Second: Complete the following:

- a The **greatest** 3-digit number is
- b $123 + 326 = 326 + \dots$
- c 4 Ones, 8 Tens, 3 Hundreds is written in **digits** as
- d The **value** of the digit 6 in 654 is
- e The **smallest** 3-digit number that can be formed from the digits 7 and 3 is

Third: Answer the following:

a Find the result:

1 $46 + 33 = \dots$

3 $\begin{array}{r} 54 \\ + 14 \\ \hline \end{array}$

4 $\begin{array}{r} 57 \\ - 34 \\ \hline \end{array}$

2 $68 - 54 = \dots$

$\begin{array}{r} 54 \\ + 14 \\ \hline \end{array}$

$\begin{array}{r} 57 \\ - 34 \\ \hline \end{array}$

b Round each of the following to the nearest 100:

1 298 :

2 436 :

3 121 :

4 365 :

5 718 :

6 623 :

c Arrange the following numbers in an ascending order:

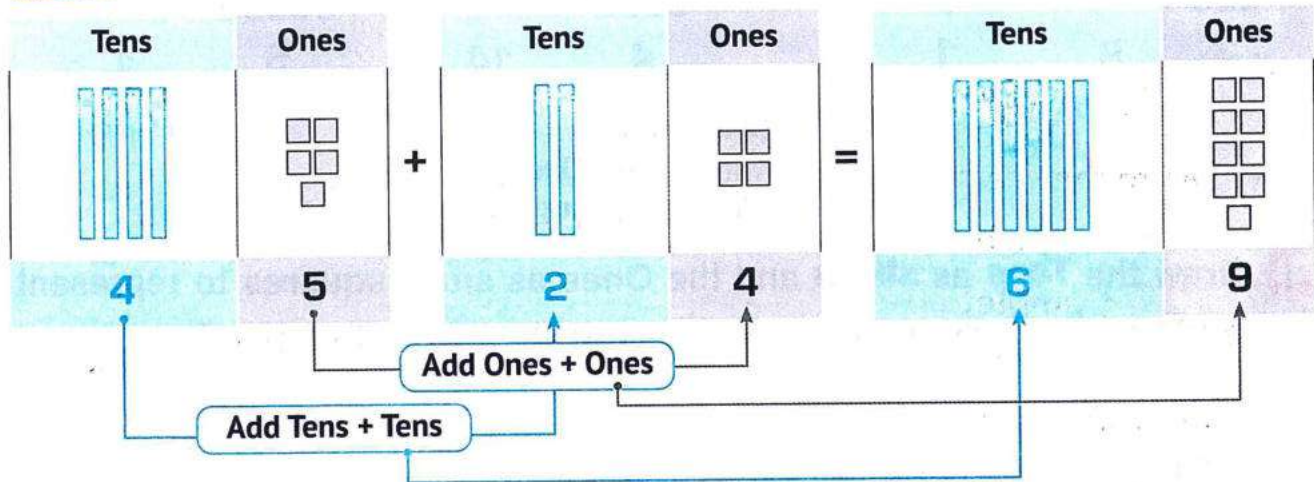
419 , 149 , 914 , 941

Lessons 4&5

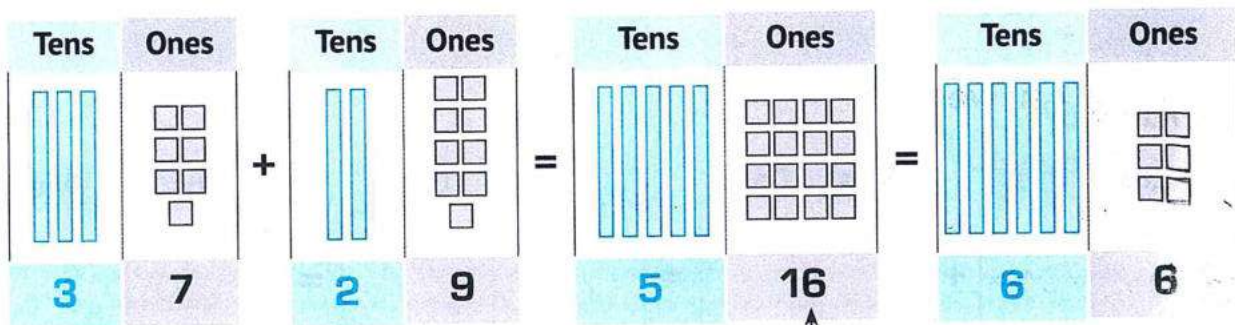
Adding Two 2-Digit Numbers With Regrouping

جمع عددين كل منهما مكون من رقمين بإعادة التجميع

Ex. Add: $45 + 24$



Ex. Add: $37 + 29$



أكبر عدد يمكن أن يكتب في خانة الآحاد هو ٩.

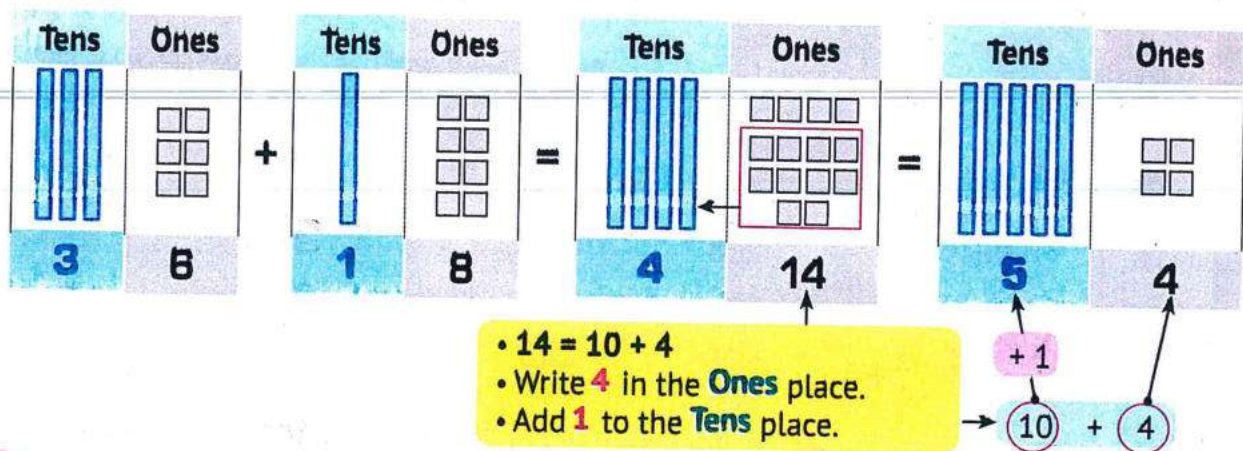
The **greatest** number that can be written in the **Ones** place is 9.

You know that: **10 Ones = 1 Ten**, so regroup 10 Ones to be 1 Ten.

نعيد جمع: ١٠ آحاد لنكون ١ عشرات

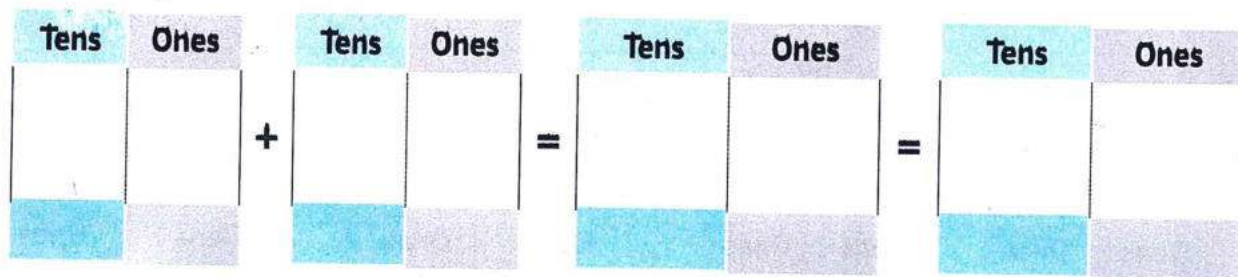
Then, $16 = 10 + 6$ → Add 1 to the Tens place.

Ex. Add: $36 + 18$

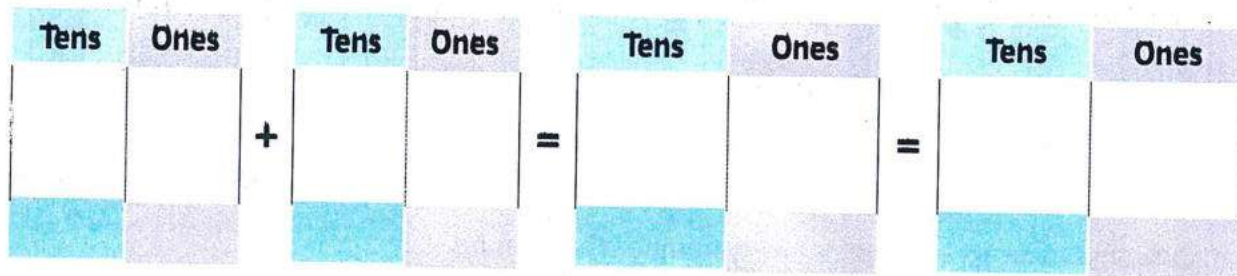


1 Draw the **Tens** as **sticks** and the **Ones** as small squares to represent each addend, then use regrouping strategies to find the sum:

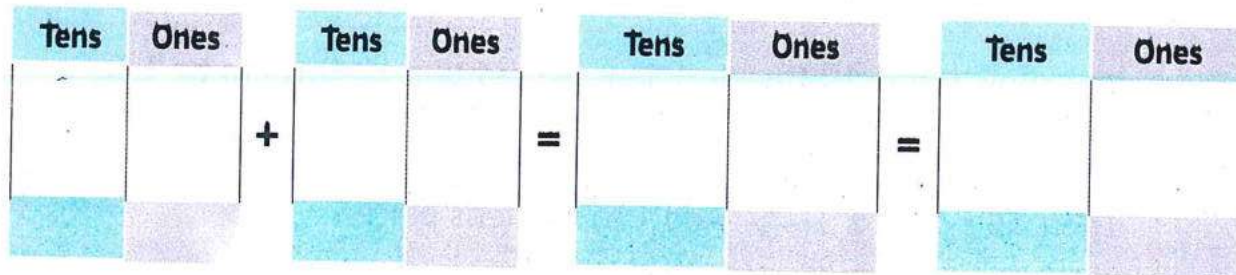
a $67 + 29$



b $18 + 67$

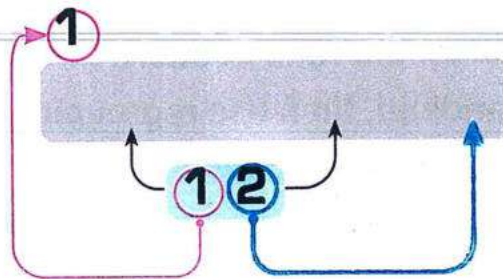


c $46 + 35$



EX.Add $24 + 48$

Tens	Ones
2	4
+ 4	8
6	12
+ 1	
7	2



$4 + 8 = 12$, write **2** in the Ones place and carry up **1** to the **Tens** place.

2 Find the result:

a

$$\begin{array}{r} 58 \\ + 29 \\ \hline \end{array}$$

b

$$\begin{array}{r} 67 \\ + 23 \\ \hline \end{array}$$

c

$$\begin{array}{r} 56 \\ + 29 \\ \hline \end{array}$$

d

$$\begin{array}{r} 76 \\ + 21 \\ \hline \end{array}$$

e

$$\begin{array}{r} 56 \\ + 8 \\ \hline \end{array}$$

f

$$\begin{array}{r} 15 \\ + 7 \\ \hline \end{array}$$

g

$$\begin{array}{r} 69 \\ + 18 \\ \hline \end{array}$$

h

$$\begin{array}{r} 28 \\ + 18 \\ \hline \end{array}$$

i

$$\begin{array}{r} 69 \\ + 9 \\ \hline \end{array}$$

3 Add:

a $75 + 9 =$

b $63 + 27 =$

c $56 + 18 =$

d $21 + 19 =$

e $59 + 9 =$

f $65 + 5 =$

g $46 + 28 =$

h $18 + 19 =$

i $67 + 18 =$

j $59 + 48 =$



HOME ACTIVITIES

1 Draw the **Tens** as **sticks** and the **Ones** as small squares to represent each addend, then use regrouping strategies to find the sum:

a $15 + 75 =$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

b $26 + 35 =$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

c $46 + 26 =$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

d $57 + 26 =$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

e $67 + 27 = \dots\dots\dots$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

f $65 + 17 = \dots\dots\dots$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

g $27 + 8 = \dots\dots\dots$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

h $39 + 8 = \dots\dots\dots$

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

2 Add:

a 35

+ 36

b 28

+ 17

c 16

+ 25

d 63

+ 28

e 67

+ 18

f 66

+ 16

g 19

+ 37

h 29

+ 26

i 16

+ 27

j 48

+ 28

k 96

+ 5

l 23

+ 19

m 26

+ 18

n 49

+ 24

o 16

+ 24

p 56

+ 19

q 64

+ 28

r 68

+ 15

3 Add:

a $45 + 24 =$

b $36 + 23 =$

c $67 + 24 =$

d $56 + 15 =$

e $16 + 26 =$

f $28 + 16 =$

g $76 + 7 =$

h $68 + 8 =$

i $56 + 9 =$

j $47 + 5 =$

k $28 + 6 =$

l $56 + 17 =$

m $19 + 7 =$

n $29 + 5 =$

o $54 + 24 + 6 =$

p $18 + 28 + 15 =$

q $28 + 17 + 15 =$

Worksheet 4

First: Choose the correct answer:

- a** The **smallest** number formed from 3 digits is
 (100 or 102 or 123)
- b** 9 Tens + 5 Ones =
 (59 or 95 or 14)
- c** 458 rounded to the nearest is 460.
 (10 or 100 or 1,000)
- d** $20 + 0 + 5 =$
 (205 or 7 or 25)
- e** The estimation of 562 by **front-end estimation** is
 (600 or 500 or 560)

Second: Complete the following:

- a** $28 =$ Ones + Tens
- b** Two hundred fifty-six (**in digits**):
- c** 246 rounded to the nearest **Hundred** is
- d** 5 Hundreds and 3 Ones = (**In digits**)
- e** The **place value** of the digit 7 in 376 is

Third: Answer the following:

a Add:

$$\begin{array}{r} 75 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 16 \\ \hline \end{array}$$

3 $47 + 38 =$

4 $24 + 39 =$

- b** Sara has 28 pounds and Amir has 37 pounds.

How much money do they have altogether?

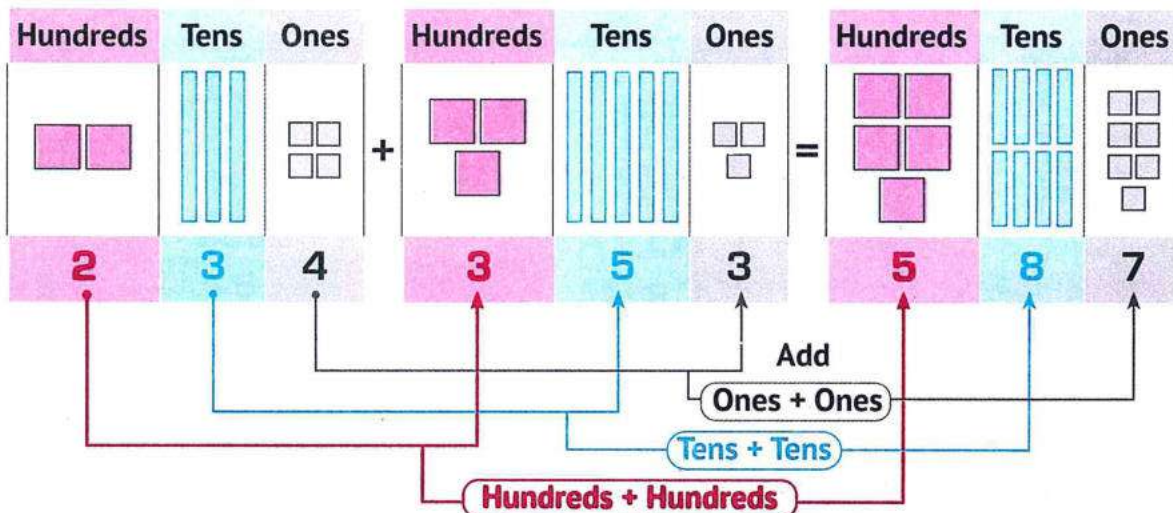
.....



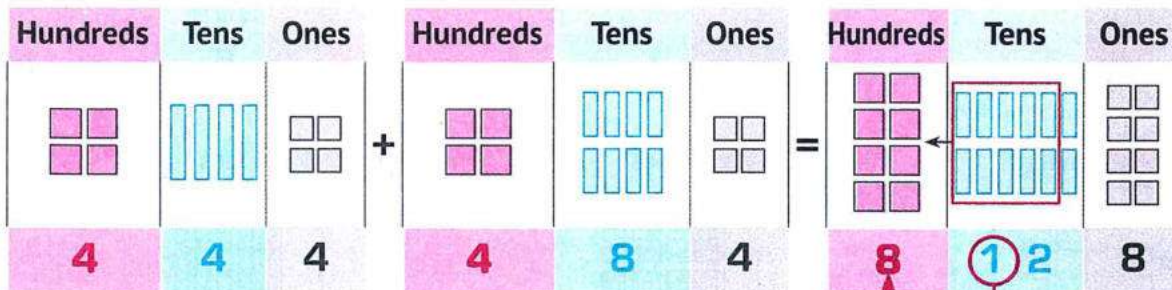
Adding Two 3-Digit Numbers

جمع عددين كل منهما مكون من 3 أرقام

Ex. — Add $234 + 353 = 587$



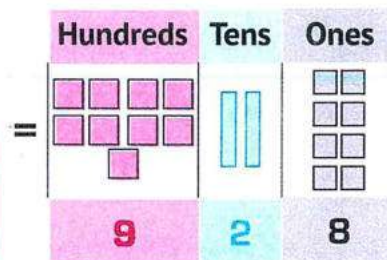
Ex. — Add $444 + 484 = 928$



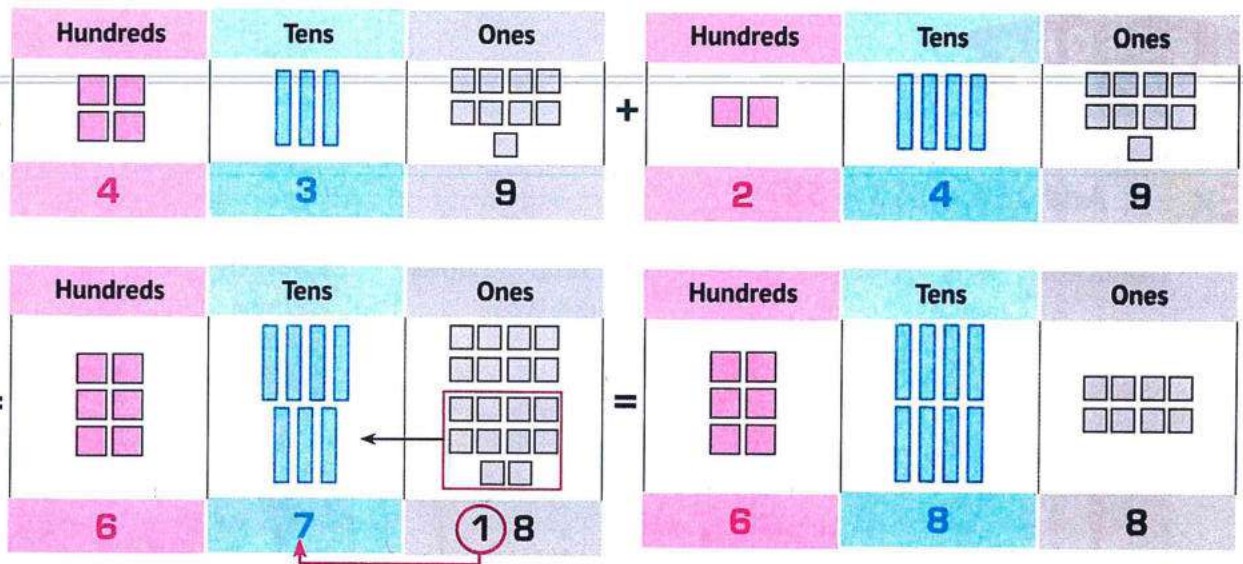
The **greatest** number that can be written in the **Tens** place is 9.

10 Tens = 1 Hundred

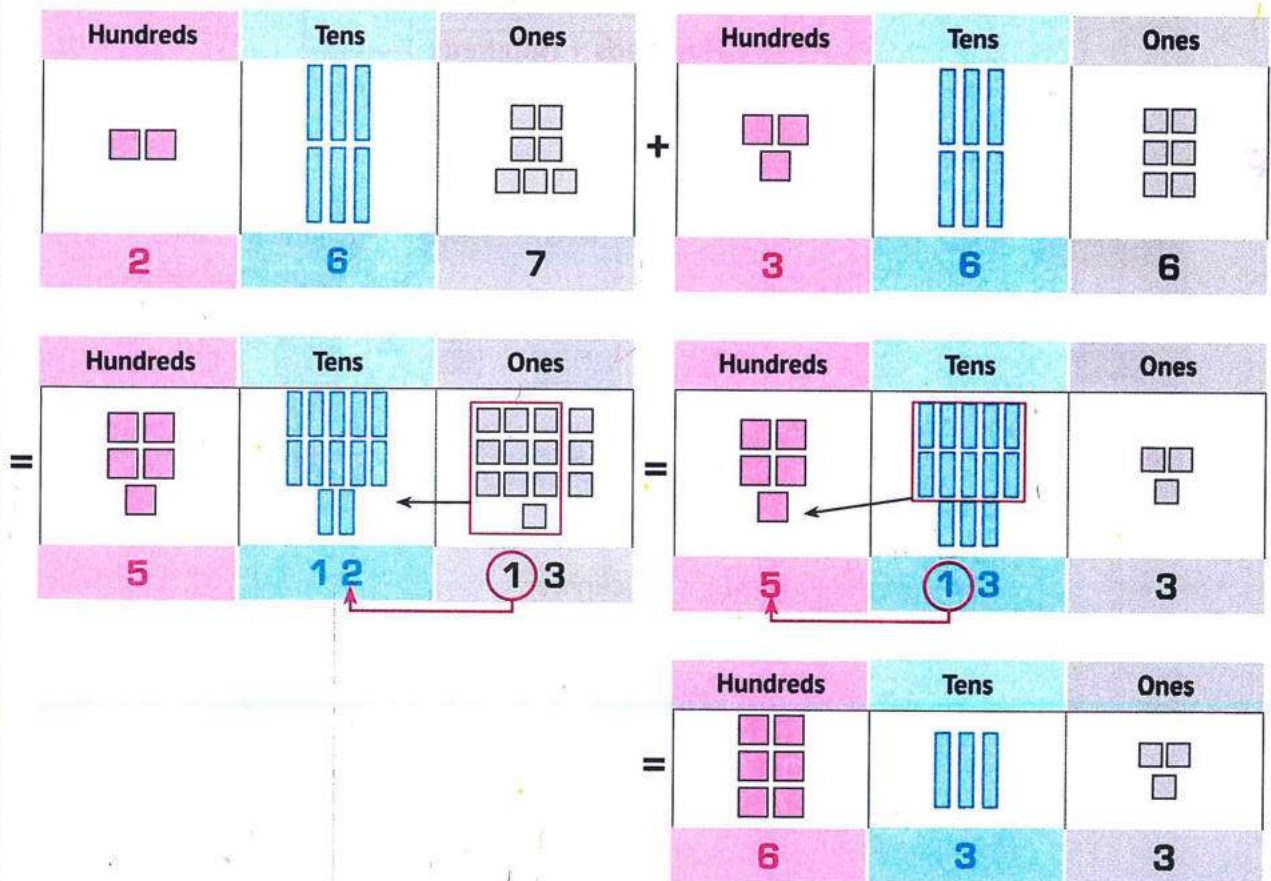
So, regroup 10 Tens to be 1 Hundred.
Then, add 1 to the Hundred place.



$$439 + 249 = 688$$

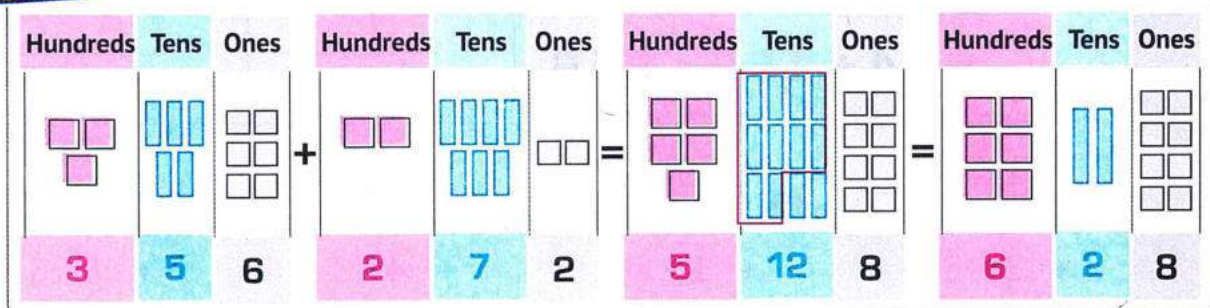


$$267 + 366 = 633$$

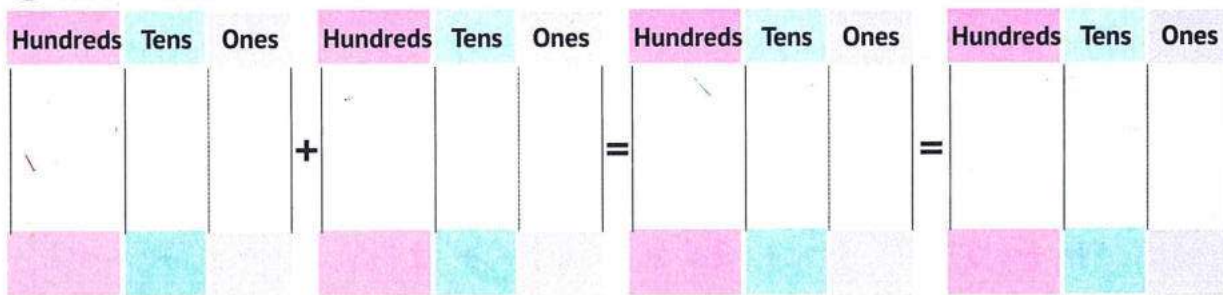


- 1 Draw the **Hundreds** as **large squares**, the **Tens** as **sticks**, and the **Ones** as small squares to represent each addend, then use the regrouping strategy to find the sum:

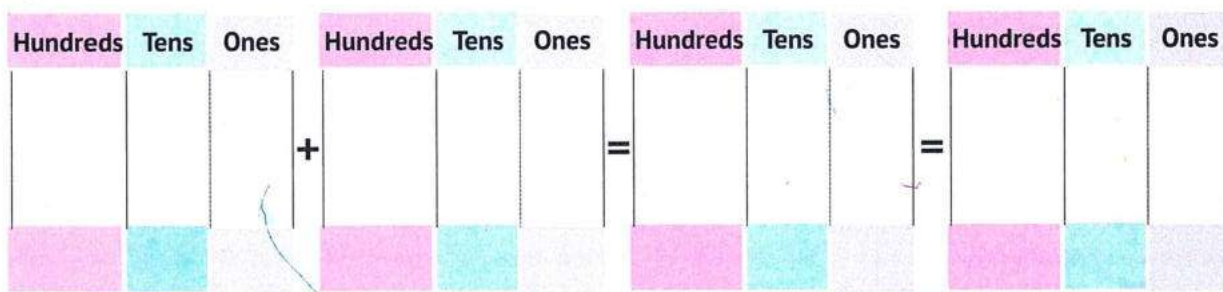
Ex. $356 + 272 = 628$



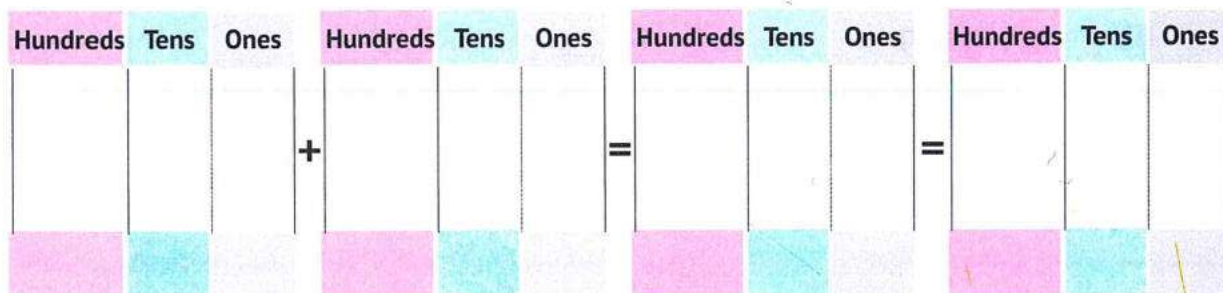
a $258 + 126 = \dots\dots\dots$



b $372 + 464 = \dots\dots\dots$



c $427 + 196 = \dots\dots\dots$



2 Find the result:

Ex.

$$\begin{array}{r} \textcircled{1} \\ 246 + 139 = 385 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 694 + 162 = 856 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 456 \\ + 128 \\ \hline 584 \end{array}$$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 126 \\ + 297 \\ \hline 423 \end{array}$$

a $\begin{array}{r} 234 \\ + 345 \\ \hline \end{array}$

b $\begin{array}{r} 364 \\ + 128 \\ \hline \end{array}$

c $\begin{array}{r} 396 \\ + 463 \\ \hline \end{array}$

d $\begin{array}{r} 127 \\ + 573 \\ \hline \end{array}$

e $\begin{array}{r} 308 \\ + 345 \\ \hline \end{array}$

f $\begin{array}{r} 563 \\ + 243 \\ \hline \end{array}$

g $\begin{array}{r} 129 \\ + 423 \\ + 243 \\ \hline \end{array}$

h $\begin{array}{r} 563 \\ + 127 \\ + 62 \\ \hline \end{array}$

i $236 + 124 =$

j $463 + 128 =$

k $109 + 573 =$

l $647 + 219 =$

m $266 + 124 + 369 =$

HOME ACTIVITIES



- 1 Draw the **Hundreds** as large squares, the **Tens** as sticks and the **Ones** as small squares to represent each addend, then use the regrouping strategy to find the sum:

a $123 + 365 =$

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
			+				=			

b $281 + 516 =$

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
			+				=			

c $357 + 218 =$

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
			+				=				=			

d $375 + 109 =$

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
			+				=				=			



e $356 + 128 =$

Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+			=			=		

f $371 + 263 =$

Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+			=			=		

g $527 + 273 =$

Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+			=			=		

h $174 + 229 =$

Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+			=			=		

i $109 + 374 =$

Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+			=			=		

2 Add:

$$\begin{array}{r} \text{a} \quad 123 \\ + 245 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad 456 \\ + 321 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad 246 \\ + 452 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d} \quad 135 \\ + 244 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e} \quad 218 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 325 \\ + \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g} \quad 126 \\ + \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h} \quad 337 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i} \quad 578 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j} \quad 257 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k} \quad 217 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad 456 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m} \quad 119 \\ + 167 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n} \quad 378 \\ + 281 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o} \quad 478 \\ + 180 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p} \quad 358 \\ + 204 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q} \quad 535 \\ + 176 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r} \quad 619 \\ + 299 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s} \quad 158 \\ + 294 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t} \quad 398 \\ + 133 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u} \quad 122 \\ + 237 \\ + 229 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v} \quad 236 \\ + 456 \\ + 245 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w} \quad 676 \\ + 156 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x} \quad 122 \\ + 278 \\ + 199 \\ \hline \end{array}$$

3 Add:

a $256 + 29 =$

b $222 + 99 =$

c $654 + 98 =$

d $487 + 187 =$

e $392 + 315 =$

f $457 + 165 =$

g $265 + 173 =$

h $666 + 234 =$

i $374 + 144 =$

j $366 + 69 =$

k $456 + 87 =$

l $336 + 78 =$

m $666 + 254 =$

n $468 + 216 =$

o $397 + 129 =$

p $378 + 291 =$

q $899 + 1 =$

r $369 + 455 =$

s $123 + 459 + 227 =$

t $208 + 326 + 176 =$

u $356 + 232 + 112 =$

v $699 + 101 + 100 =$

Worksheet 5

First: Choose the correct answer:

- a Nine hundred thirteen (in digits) = (930 or 903 or 913)
- b The **value** of the digit 3 in 638 is (3 or 30 or 300)
- c The **greatest** 3-digit number is (999 or 987 or 900)
- d $60 + 5 + 700 =$ (657 or 567 or 765)
- e $20 \text{ LE} + 20 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} =$ LE.
(225 or 50 or 45)

Second: Complete the following:

- a The **smallest** number formed from the digits 8, 2 and 6 is
- b The number lying **between** 589 and 591 is
- c is 100 **less than** 342.
- d 70 Tens = Hundreds =
- e comes right **after** 369.

Third: Answer the following:

a Find the result:

1 $658 + 248 =$

3 549

4 694

2 $355 + 395 =$

$+ 387$

$+ 178$

b 1 Circle the odd numbers: 375 , 186 , 852 , 472 , 856 , 799

2 Circle the even numbers: 537 , 618 , 528 , 724 , 568 , 779

c At a school, there are 317 boys and 281 girls.

Find the number of pupils in this school.

- The number of pupils = + = pupils.



Various Strategies for Adding Two Numbers

إستراتيجيات متنوعة على جمع عددين

1 Match:

a $25 + 36$

• $147 + 37$ ①

b $176 + 8$

• $36 + 10$ ②

c $23 + 36$

• $24 + 37$ ③

d $29 + 17$

• $9 + 50$ ④

2 Complete using (<, =, or >):

a $435 + 125$

$528 + 27$

b $603 + 209$

$406 + 406$

c $45 + 19$

$48 + 17$

d $67 + 29$

$28 + 15$

e $63 + 27$

$56 + 34$

- 3 Find the sum and estimate each number using the **front-end strategy**, then add:

a	56	→	.....	b	69	→	.....
	+ 25	→	+		+ 26	→	+
	_____		_____		_____		_____
					_____		_____

c	246	→	.....	d	249	→	.....
	+ 319	→	+		+ 75	→	+
	_____		_____		_____		_____
					_____		_____

- 4 Find the sum and round each number as shown, then add :

a	28	To the nearest 10	→	.....	b	56	To the nearest 10	→	.....
	+ 73	To the nearest 10	→	+		+ 43	To the nearest 10	→	+
	_____		_____		_____		_____		_____
					_____		_____		_____

c	359	To the nearest 100	→	.....	d	627	To the nearest 100	→	.....
	+ 299	To the nearest 100	→	+		+ 58	To the nearest 10	→	+
	_____		_____		_____		_____		_____
					_____		_____		_____



HOME ACTIVITIES

1 Match:

a $65 + 38$

b $29 + 16$

c $145 + 27$

d $318 + 196$

e $35 + 26$

f $645 + 128$

g $563 + 179$

• $96 + 76$ ①

• $100 + 3$ ②

• $15 + 30$ ③

• $700 + 73$ ④

• $500 + 10 + 4$ ⑤

• $627 + 115$ ⑥

• $29 + 32$ ⑦

2 Complete using (<, =, or >):

a $75 + 36$

b $45 + 45$

c $24 + 29$

d $200 + 30 + 6$

e $150 + 3$

f $2 + 30 + 600$

g $600 + 28$

$48 + 69$

$25 + 75$

$39 + 4$

$23 + 6$

$76 + 77$

$230 + 6$

$620 + 8$

- 3** Find the sum, then estimate each number using the **front-end strategy** and add:

a $\begin{array}{r} 315 \\ + 567 \\ \hline \end{array}$



+

b $\begin{array}{r} 65 \\ + 38 \\ \hline \end{array}$



+

c $\begin{array}{r} 154 \\ + 645 \\ \hline \end{array}$



+

d $\begin{array}{r} 645 \\ + 163 \\ \hline \end{array}$



+

e $\begin{array}{r} 156 \\ + 215 \\ \hline \end{array}$



+

f $\begin{array}{r} 69 \\ + 76 \\ \hline \end{array}$



+

g $\begin{array}{r} 645 \\ + 78 \\ \hline \end{array}$



+

h $\begin{array}{r} 26 \\ + 68 \\ \hline \end{array}$



+

- 4** Find the sum and round each number to the nearest **10**, then add:

a $\begin{array}{r} 35 \\ + 28 \\ \hline \end{array}$



+

b $\begin{array}{r} 69 \\ + 15 \\ \hline \end{array}$



+

c $\begin{array}{r} 76 \\ + 15 \\ \hline \end{array}$



+

d $\begin{array}{r} 64 \\ + 52 \\ \hline \end{array}$



+

e $\begin{array}{r} 46 \\ + 45 \\ \hline \end{array}$



+

f $\begin{array}{r} 76 \\ + 28 \\ \hline \end{array}$



+

5 Find the sum and round each number to the nearest **100**, then add:

a 5 6 3



.....

+ 1 6 7



+

b 5 1 6



.....

+ 2 7 6



+

c 7 6 7



.....

+ 1 3 8



+

d 6 4 5



.....

+ 1 3 6



+

e 1 2 5



.....

+ 3 6 8



+

f 5 9 9



.....

+ 2 8 6



+

Worksheet 6

First: Choose the correct answer:

a The **smallest even** number formed from 2 digits is

(10 or 12 or 98)

b The **value** of the digit 0 in 208 is

(0 or 10 or 100)

c $75 + \dots = 100$

(35 or 25 or 30)

d $35 + 100 = \dots$

(450 or 146 or 135)

e $200 + 7 + \dots = 267$

(6 or 60 or 600)

Second: Complete the following:

a Nine hundred seventeen, in **digits**, is

b 76 Ones = Tens + Ones

c The number that comes right **after** 129 is

d $76 + 34 = 70 + \dots$

e Ones + Hundreds + Tens = 628

Third: Answer the following:

a Put (<, >, or =):

1 $756 + 214$

$279 + 491$

2 $218 + 39$

$200 + 30$

3 $900 + 50 + 3$

$264 + 95$

b **Complete :**

1

24 To the nearest 10 $\rightarrow$

2

506 By Front-End Estimation $\rightarrow$

+ 38 To the nearest 10 $\rightarrow$ +

+ 276 By Front-End Estimation $\rightarrow$ +



Chapter 10



Chapter Lessons

1
2
3

Lessons 1&2

The Relationship Between Addition and Subtraction Using Fact Families & Subtracting Using a Number Line

Outcomes:

- Participating in Calendar Math Activities.
- Creating addition and subtraction sentences using fact families.
- Explaining the relationship between addition and subtraction.
- Using a number line to subtract.
- Investigating the relationship between addition and subtraction using a number line.

Lesson 3

Subtraction Word Problems

Outcomes:

- Participating in Calendar Math Activities.
- Solving story problems involving subtraction.
- Identifying words that signal them to subtract to solve a problem.

Lessons 7-10

Strategies for Subtracting Two Numbers Using Models & Regrouping

Outcomes:

- Participating in Calendar Math Activities.
- Subtracting 2- and 3-digit numbers with regrouping.
- Subtracting 2- and 3-digit numbers with regrouping.

Lessons 4&5

Decomposing the Numbers Components & Subtracting Numbers Using Mental Math Strategies

Outcomes:

- Participating in Calendar Math Activities.
- Decomposing 2-digit numbers into combinations of Tens and Ones.
- Explaining how decomposing numbers can be helpful.
- Applying mental math strategies to subtract by Tens or Hundreds.
- Using known subtraction answers to solve new problems.

Lesson 6

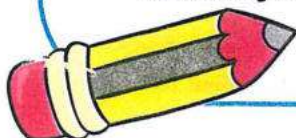
Subtracting Numbers Using Regrouping

Outcomes:

- Participating in Calendar Math activities.
- Using place value models to regroup and subtract.
- Subtracting 2-digit numbers with regrouping.
- Defining regrouping.

- Using place value models to regroup and subtract.
- Applying strategies to estimate differences.

A
B
C
★





The Relationship Between Addition and Subtraction Using Fact Families & Subtracting Using a Number Line

العلاقة بين الجمع والطرح باستخدام عائلة الحقائق/ الطرح باستخدام خط الأعداد

الجمع والطرح

are

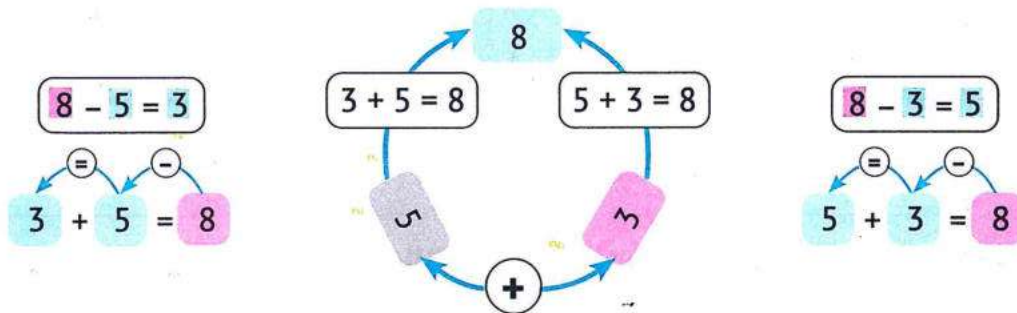
inverse or opposite.

عمليتان متضادتان (متعاكستان).

related to each other.

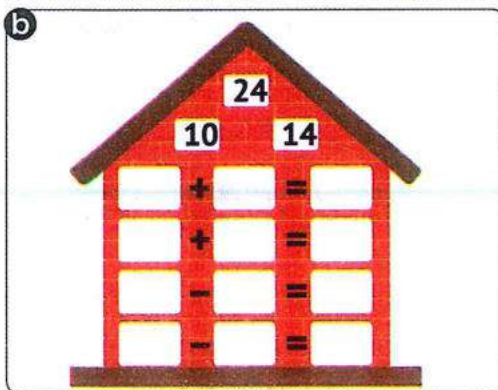
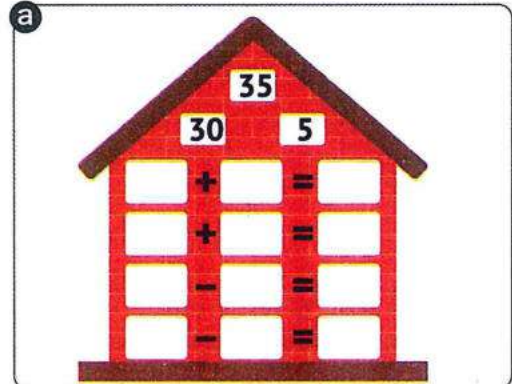
عمليتان مرتبطتان ببعضهما.

Ex. There are four facts from the fact family for 3, 5, and 8.



1 Complete the following fact-family houses (as in the example):

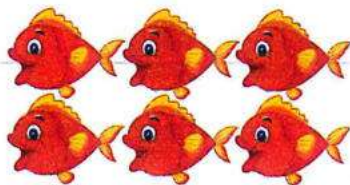
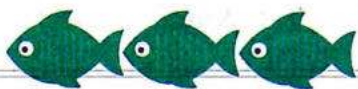
Ex.





2 Complete the **fact family**:

a



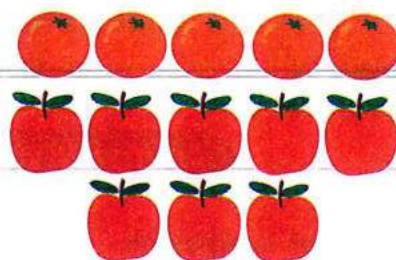
$$3 + \dots = \dots$$

$$6 + \dots = \dots$$

$$\dots - 3 = \dots$$

$$\dots - 6 = \dots$$

b



$$\dots + \dots = \dots$$

$$\dots + \dots = \dots$$

$$\dots - \dots = \dots$$

$$\dots - \dots = \dots$$

3 Write the **fact family** of each of the following:

a



$$\dots + \dots = \dots$$

$$\dots + \dots = \dots$$

$$\dots - \dots = \dots$$

$$\dots - \dots = \dots$$

b



$$\dots + \dots = \dots$$

$$\dots + \dots = \dots$$

$$\dots - \dots = \dots$$

$$\dots - \dots = \dots$$

c



$$\dots + \dots = \dots$$

$$\dots + \dots = \dots$$

$$\dots - \dots = \dots$$

$$\dots - \dots = \dots$$

d



$$\dots + \dots = \dots$$

$$\dots + \dots = \dots$$

$$\dots - \dots = \dots$$

$$\dots - \dots = \dots$$

Subtracting Using the Number Line الطرح باستخدام خط الأعداد

You can **subtract** two numbers using a number line in **two** ways:

يمكن طرح رقمين باستخدام خط الأعداد بطريقتين:

Ex. $17 - 5 =$

First Way:

Count On

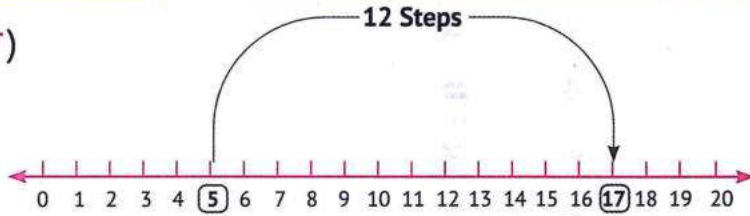
الطريقة الأولى: العد للأمام

- Start at 5 (the small number) and **count on** to 17.

– نبدأ من العدد ٥ (العدد الأصغر).

ونقوم بالعد لنصل للعدد ١٧

- You will move 12 steps.



– سنتحرك ١٢ خطوة.

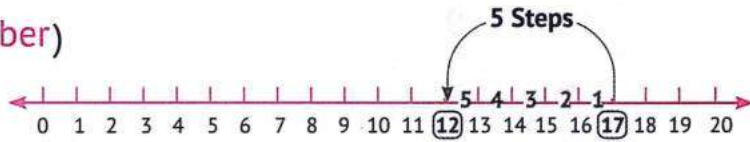
So, $17 - 5 = 12$

Second Way:

Count Back

الطريقة الثانية: العد للخلف

- Start at 17 (the greater number) and **count back** 5 steps.



– نبدأ من العدد ١٧ (العدد الأكبر)، ثم نعد للخلف ٥ خطوات.

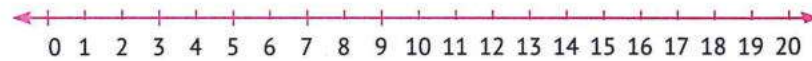
- You will reach 12.

– سنصل للعدد ١٢

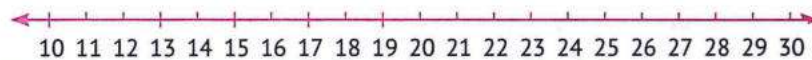
So, $17 - 5 = 12$

4 Use the number lines below to **subtract**:

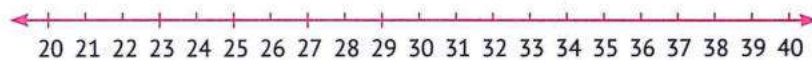
a $18 - 5 =$



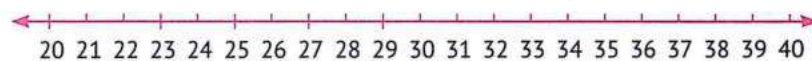
b $24 - 6 =$



c $35 - 9 =$



d $30 - 7 =$





HOME ACTIVITIES

1 Complete the following fact-family houses:

a

15		
9		6
	+	=
	+	=
	-	=
	-	=

b

12		
4		8
	+	=
	+	=
	-	=
	-	=

c

20		
11		9
	+	=
	+	=
	-	=
	-	=

d

45		
40		5
	+	=
	+	=
	-	=
	-	=

e

30		6
	+	= 36
	+	=
	-	=
	-	=

f

12		13
	+	=
	+	=
25	-	=
	-	=

g

46

6

46

+

+

-

-

=

=

=

=

h

16

7

16

+

+

-

-

=

=

=

=

i

63

60

63

+

+

-

-

=

=

=

=

j

12

8

20

+

+

-

-

=

=

=

=

k

72

12

60

+

+

-

-

=

=

=

=

l

12

11

23

23

+

+

-

-

=

=

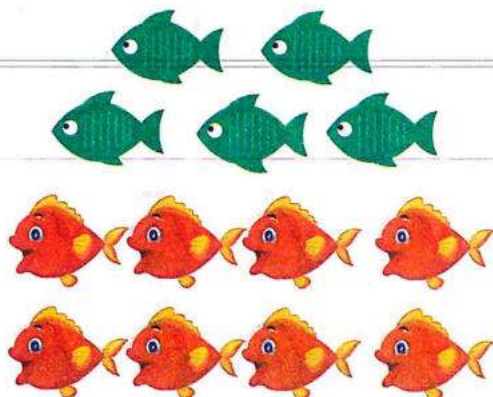
=

=



2 Complete the **fact family**:

a



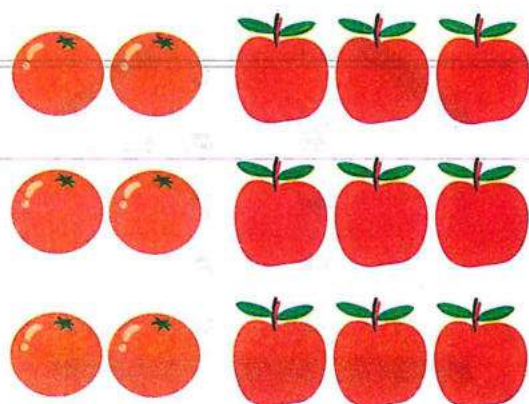
$$2 + 8 = 10$$

$$8 + 2 = 10$$

$$10 - 2 = 8$$

$$10 - 8 = 2$$

b



$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 - 2 = 3$$

$$5 - 3 = 2$$

c



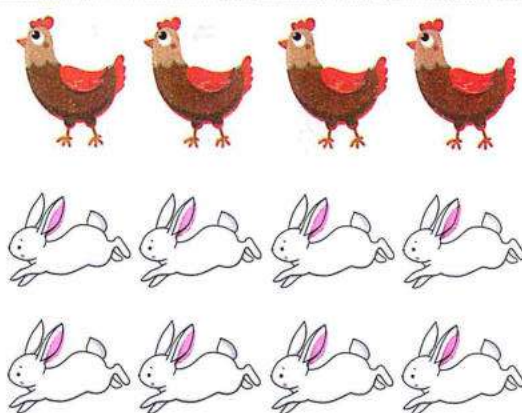
$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$

d



$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$

3 Write the **fact family** of each of the following:

a

7 8 15

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

b

5 6 11

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

c

7 6 13

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

d

4 5 9

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

e

9 6 15

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

f

3 2 5

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$

g

5 5 10

$$\begin{array}{l} \dots + \dots = \dots \\ \dots - \dots = \dots \end{array}$$

h

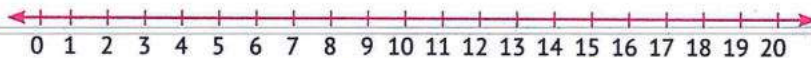
7 7 14

$$\begin{array}{l} \dots + \dots = \dots \\ \dots - \dots = \dots \end{array}$$

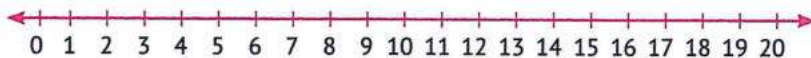


4 Use the number lines below to **subtract**:

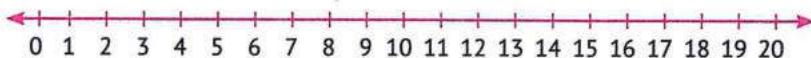
a $10 - 3 = \dots\dots\dots$



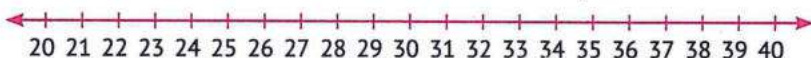
b $18 - 4 = \dots\dots\dots$



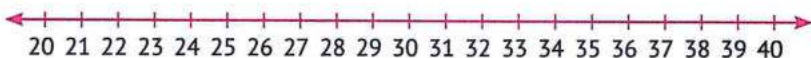
c $15 - 7 = \dots\dots\dots$



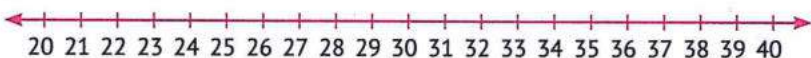
d $33 - 8 = \dots\dots\dots$



e $36 - 5 = \dots\dots\dots$



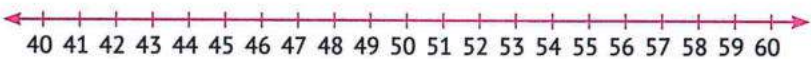
f $28 - 4 = \dots\dots\dots$



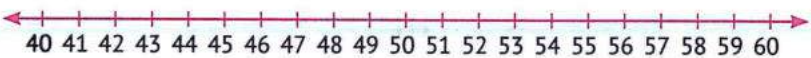
g $51 - 7 = \dots\dots\dots$



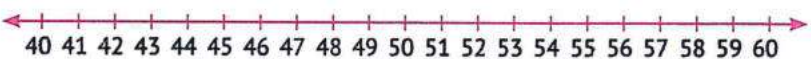
h $55 - 3 = \dots\dots\dots$



i $45 - 5 = \dots\dots\dots$



j $60 - 5 = \dots\dots\dots$



Worksheet

1

First: Choose the correct answer:a The **value** of the digit 5 in 563 is (5 or 50 or 500)

b 30 Tens = (3 or 30 or 300)

c $41 + 19$ $40 + 20$ (< or = or >)d The **greatest** 3-different-digit number is (100 or 999 or 987)e $900 + 70 + 4 =$ (974 or 947 or 749)**Second:** Complete the following:

a 4 Hundreds, 3 Tens, and 8 Ones =

b The **smallest** 3-digit number is

c 990 , 980 , (in the same pattern).

d = $1 + 10 + 100$

e 254 rounded to the nearest 10 is

Third: Answer the following:

a Write the fact family of each of the following:

1 3, 4, and 7

..... + = , + =

..... - = , - =

2 9, 6, and 15

..... + = , + =

..... - = , - =

b Arrange the following numbers in an ascending order:

563 , 790 , 687 , 234

..... , , ,

c There are 553 boys and 335 girls in a school. Find the total number of pupils in that school.

The total number of pupils = + = pupils.



Lesson 3

Subtraction Word Problems

مسائل كلامية على الطرح

خطوات حل المسائل الكلامية Steps of Solving Story Problems

Story Problems

Maggie picks 5 flowers.
Her mother takes 2
flowers from her. How
many flowers does
she have left?

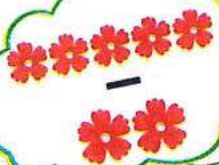
READ
Read the problem to
understand.

اقرأ 1

Maggie picks 5 flowers.
Her mother takes 2
flowers from her. How
many flowers does she
have left?

CONSIDER
Underline the important
facts and look for patterns.

فكر 2



PLAN
Draw a picture, if
needed, to help you
solve the problem.

خط 3

$$5 - 2 =$$

WRITE
Write an equation for the
number problem.

اكتب 4

$$5 - 2 = 3$$

SOLVE
Solve the problem.
Show your steps.

حل 5



EVALUATE
Does your answer make
sense? If not, try again.

تأكد 6

Keywords

Subtract	Remain
Difference	Less than
Fewer	Minus
How many more	

- 1 Samir made 48 cookies. He gave 22 to his sister Dalia. How many cookies are left?



- 2 In the class, there are 35 girls and 13 boys. How many more girls are there than boys?



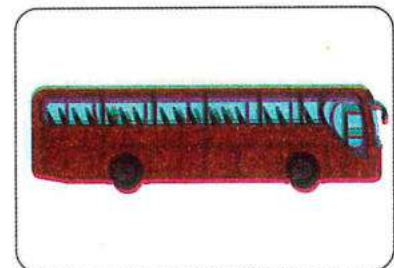
- 3 Jana collected stamps. She had 180 stamps. She gave 20 to her brother. How many stamps is left with her?



- 4 Maha and Safa had 28 gifts to wrap. They have wrapped 4 of them. How many more do they need to wrap?



- 5 There were 65 people on the bus. At the first stop, 21 people got off. How many people are left on the bus?



- 6 Jasmine has 25 candies. Walid has 14 candies. How many more candies does Jasmine have?





HOME ACTIVITIES

- 1 Jana had 93 LE, she gave 52 LE to her brother Ayman. How much money is left with her?



- 2 Nada had 45 crayons, she gave 12 crayons to her friend. How many crayons are left with Nada?



- 3 Karim has a book of 75 pages, he read 42 pages of which. How many pages are left for Karim to read?



- 4 Salah had 89 pounds, he bought a shirt for 59 pounds. How much money is left with Salah?



- 5 A class has 56 students, 24 of them are boys. Find the number of girls.



- 6 Emad has 100 pounds and he wants to buy a toy for 125 pounds. How much money does he need for that?



- 7 There are 25 boys and 23 girls in a class.
Find the difference between the number of boys and that of girls.



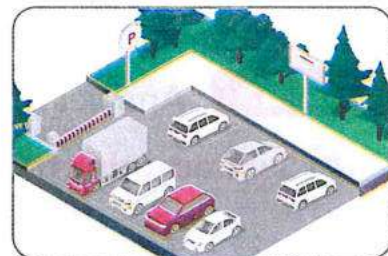
- 8 There are 65 students in a class, 32 of them are boys.
How many girls are there in the class?



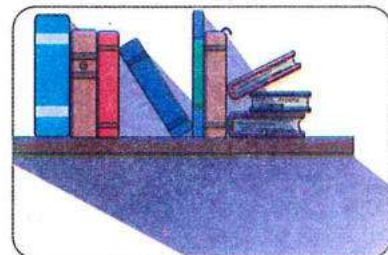
- 9 Hatem has 456 pounds and Eman has 215 pounds. How much more money does Hatem have than Eman?



- 10 There are 175 cars in the parking lot, 60 of them have left. How many cars are in the parking lot now?



- 11 There are 456 books in the school library. Students borrowed 125 books. How many books are left in the library?



- 12 A baker made 459 cupcakes. He sold 255 of them. How many cupcakes are left?



Worksheet 2

First: Choose the correct answer:

- a The **value** of 3 in 183 is (3 or 30 or 300)
- b comes just **after** 299. (289 or 399 or 300)
- c 6 Hundreds + 7 Tens = (706 or 670 or 607)
- d $500 + 20 + 6 =$ (625 or 652 or 526)
- e $562 <$ (560 or 650 or 559)

Second: Complete the following:

- a $153 + 197 =$
- b $456 =$ + 6
- c 900 , 800 , 700 , , ,
- d The number that comes just **before** 500 is
- e The **smallest** 3-digit number formed from the digits 9 and 4 is

Third: Answer the following:

a **Subtract using the number line:**

$22 - 9 =$



b **Compare using (<, =, or >):**

1 $307 \square 370$

2 $7 + 50 + 600$

$\square$ 7 Hundreds

3 $956 \square 959$

4 Four hundred twelve

$\square$ $400 + 12$

c **Sara has 52 LE and her brother Fares has 28 LE.**

How much money do they have altogether?



Decomposing the Numbers Components & Subtracting Numbers Using Mental Math Strategies

تحليل مكونات الأعداد / طرح الأعداد باستخدام الرياضيات الذهنية

Decompose: Is to **break up** numbers into small parts.

التحليل: هو تقسيم الأعداد إلى أجزاء صغيرة.

Some ways to decompose 56

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 50 + 6$$

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 40 + 16$$

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 30 + 26$$

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 20 + 36$$

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 40 + 10 + 6$$

$$56 = 10 + 10 + 10 + 10 + 10 + 6$$

$$56 = 30 + 20 + 6$$

1 Decompose the following numbers in 3 different ways:

a

$$\left(\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array} \right) \left. \vphantom{\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array}} \right\} 29 \rightarrow \dots + \dots + \dots$$

b

$$\left(\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array} \right) \left. \vphantom{\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array}} \right\} 82 \rightarrow \dots + \dots + \dots$$



c $\left(\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array} \right) \rightarrow 37 \rightarrow \dots + \dots + \dots$

d $\left(\begin{array}{c} \dots + \dots \\ \dots + \dots \end{array} \right) \rightarrow 63 \rightarrow \dots + \dots + \dots$

2 Complete the following:

a $49 = 40 + \dots$

$49 = 30 + \dots$

$49 = 20 + \dots$

b $83 = 80 + \dots$

$83 = \dots + 13$

$\dots = 20 + 63$

c $67 = 60 + \dots$

$\dots = 40 + 27$

$67 = \dots + 57$

d $\dots = 20 + 72$

$92 = 30 + \dots$

$92 = 52 + \dots$

3 Match:

a $20 + 34$

$30 + 7$ ①

b $40 + 35$

$50 + 4$ ②

c $27 + 10$

$70 + 5$ ③

d $25 + 60$

$90 + 3$ ④

e $70 + 23$

$80 + 5$ ⑤

Cluster Problems المسائل المتسلسلة

Cluster problem is a **set** of three or more problems that are **related** to each other.

عبارة عن مجموعة من المسائل (٣ مسائل أو أكثر) بينها علاقة مع بعضها.

Ex.

$$\begin{array}{rcl}
 36 - 10 & = & 26 \\
 \quad \quad \quad \begin{array}{c} +10 \quad -10 \\ \downarrow \quad \downarrow \end{array} \\
 36 - 20 & = & 16 \\
 \quad \quad \quad \begin{array}{c} +6 \quad -6 \\ \downarrow \quad \downarrow \end{array} \\
 36 - 26 & = & 10 \\
 \quad \quad \quad \begin{array}{c} +3 \quad -3 \\ \downarrow \quad \downarrow \end{array} \\
 36 - 29 & = & 7
 \end{array}$$

Ex.

$$\begin{array}{rcl}
 82 - 10 & = & 72 \\
 \quad \quad \quad \begin{array}{c} +10 \quad -10 \\ \downarrow \quad \downarrow \end{array} \\
 82 - 20 & = & 62 \\
 \quad \quad \quad \begin{array}{c} +10 \quad -10 \\ \downarrow \quad \downarrow \end{array} \\
 82 - 30 & = & 52 \\
 \quad \quad \quad \begin{array}{c} +2 \quad -2 \\ \downarrow \quad \downarrow \end{array} \\
 82 - 32 & = & 50 \\
 \quad \quad \quad \begin{array}{c} +4 \quad -4 \\ \downarrow \quad \downarrow \end{array} \\
 82 - 36 & = & 46
 \end{array}$$

4 Complete the following:

a $35 - 10 = \dots\dots\dots$
 $35 - 20 = \dots\dots\dots$
 $35 - 25 = \dots\dots\dots$
 $35 - 29 = \dots\dots\dots$

b $72 - 10 = \dots\dots\dots$
 $72 - 20 = \dots\dots\dots$
 $72 - 22 = \dots\dots\dots$
 $72 - 26 = \dots\dots\dots$

c $72 - 10 = \dots\dots\dots$
 $72 - 20 = \dots\dots\dots$
 $72 - 30 = \dots\dots\dots$
 $72 - 42 = \dots\dots\dots$
 $72 - 48 = \dots\dots\dots$

d $463 - 10 = \dots\dots\dots$
 $463 - 110 = \dots\dots\dots$
 $463 - 120 = \dots\dots\dots$
 $463 - 133 = \dots\dots\dots$
 $463 - 137 = \dots\dots\dots$



HOME ACTIVITIES

1 Decompose the following numbers in 3 different ways:

a $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 29 \rightarrow \text{.....} + \text{.....} + \text{.....}$

b $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 37 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....}$

c $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 46 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....}$

d $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 52 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....} + \text{.....}$

e $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 62 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....} + \text{.....}$

f $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 73 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....} + \text{.....}$

g $\left. \begin{array}{l} \text{.....} + \text{.....} \\ \text{.....} + \text{.....} \end{array} \right\} 86 \rightarrow \text{.....} + \text{.....} + \text{.....} + \text{.....} + \text{.....}$

2 Complete the following:

a $34 = 10 + \dots$

$34 = 20 + \dots$

$34 = 30 + \dots$

b $28 = 20 + \dots$

$28 = \dots + 18$

$\dots = 10 + 10 + 8$

c $42 = 40 + \dots$

$\dots = 20 + 22$

$42 = \dots + 32$

d $\dots = 30 + 27$

$57 = \dots + \dots$

$57 = 50 + \dots$

e $64 = 40 + \dots$

$64 = 30 + \dots$

$64 = 20 + \dots$

f $78 = 70 + \dots$

$78 = \dots + 18$

$\dots = 30 + 48$

g $86 = 80 + \dots$

$\dots = 40 + 46$

$86 = \dots + 56$

h $\dots = 20 + 77$

$97 = 30 + \dots$

$97 = 50 + \dots$

i $66 = 20 + \dots$

$\dots = 40 + 26$

$66 = \dots + 56$

j $\dots = 20 + 7$

$27 = 10 + \dots$

$27 = 10 + 10 + \dots$



3 Match:

a $20 + 9$

• $20 + 20 + 7$ ①

b $30 + 8$

• $10 + 10 + 9$ ②

c $40 + 7$

• $20 + 18$ ③

d $50 + 6$

• $30 + 30 + 5$ ④

e $60 + 5$

• $20 + 20 + 16$ ⑤

f $70 + 4$

• $30 + 30 + 30 + 2$ ⑥

g $80 + 3$

• $40 + 34$ ⑦

h $90 + 2$

• $40 + 40 + 3$ ⑧



4 Compare using ($<$, $=$, or $>$):

a $20 + 20 + 15$



$30 + 10 + 5$

b $60 + 8$



$30 + 30 + 15$

c $30 + 30 + 12$



$40 + 20 + 12$

d $20 + 15$



$10 + 15$

e $70 + 25$



$50 + 55$

5 Complete the following:

a $75 - 10 =$

$75 - 20 =$

$75 - 25 =$

$75 - 29 =$

b $43 - 10 =$

$43 - 20 =$

$43 - 23 =$

$43 - 28 =$

c $62 - 10 =$

$62 - 20 =$

$62 - 30 =$

$62 - 32 =$

$62 - 38 =$

d $54 - 10 =$

$54 - 20 =$

$54 - 30 =$

$54 - 34 =$

$54 - 36 =$

e $252 - 100 =$

$252 - 110 =$

$252 - 120 =$

$252 - 132 =$

$252 - 136 =$

f $675 - 100 =$

$675 - 200 =$

$675 - 300 =$

$675 - 370 =$

$675 - 390 =$

g $146 - 100 =$

$146 - 110 =$

$146 - 120 =$

$146 - 126 =$

$146 - 129 =$

h $976 - 100 =$

$976 - 200 =$

$976 - 300 =$

$976 - 370 =$

$976 - 390 =$

Worksheet

3

First: Choose the correct answer:

- a** 9 Ones + 2 Hundreds + 7 Tens = (927 or 729 or 279)
- b** is an **odd** number. (28 or 67 or 36)
- c** $40 + 28 = \dots + 18$ (50 or 68 or 40)
- d** 197 rounded to the nearest **10** is (200 or 190 or 100)
- e** 10 LE + 20 LE + 5 LE + 5 LE = LE (35 or 45 or 40)

Second: Complete the following:

- a** 25, 35, 45,,,
- b** The **place value** of the digit 3 in 7**3**9 is
- c** The **smallest** 3-different-digit number is
- d** $78 = 20 + \dots + 18$ **e** $452 + 256 = \dots$

Third: Answer the following:

a Find the result:

1 $459 + 278 = \dots$ **2** $698 + 7 = \dots$

b Compare using (<, =, or >):

1 $30 + 28$ $50 + 18$

2 $70 + 23$ $63 + 30$

3 $800 + 5$ $80 + 50$

4 9 Tens + 3 Ones 930

c Complete the following cluster problems:

1 $83 - 10 = \dots$

2 $720 - 100 = \dots$

$83 - 20 = \dots$

$720 - 200 = \dots$

$83 - 30 = \dots$

$720 - 300 = \dots$

$83 - 33 = \dots$

$720 - 420 = \dots$

$83 - 38 = \dots$

$720 - 490 = \dots$



Lesson

6

Subtracting Numbers Using Regrouping

طرح الأعداد بإعادة التجميع

First Way:

Decompose the two numbers by drawing sticks for Tens and small squares for Ones.

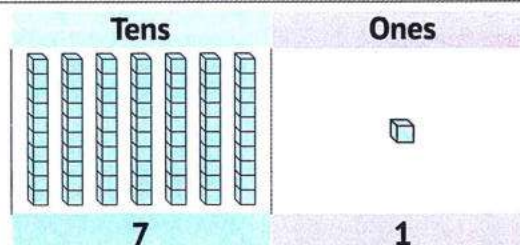
Ex. $71 - 55 = \dots\dots\dots$

Step 1:

When you subtract the
Ones minus the Ones,

• اطرح الآحاد - الآحاد

you can't subtract 1 minus 5.



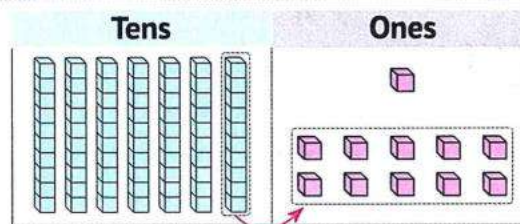
Step 2:

You decompose 1 Ten to 10 Ones.

• حلل عشرة واحدة من خانة العشرات إلى ١٠ آحاد.

Now you have 11 Ones and 6 Tens.

• يصبح لديك ١١ آحاد و ٦ عشرات.

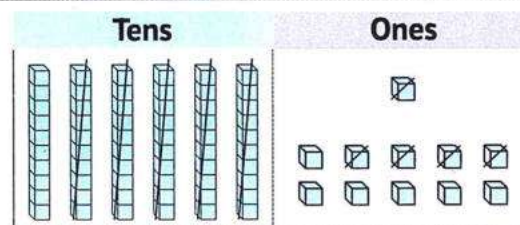


Step 3:

Subtract

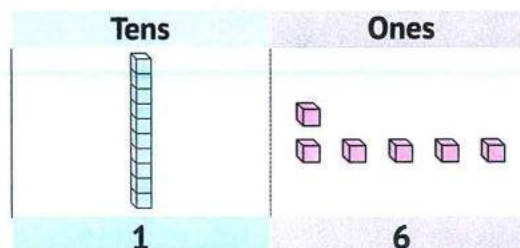
11 Ones - 5 Ones,

and 6 Tens - 5 Tens.



Step 4:

$\begin{array}{r} 6 \ 11 \\ 7 \ 1 - 55 = 16 \end{array}$

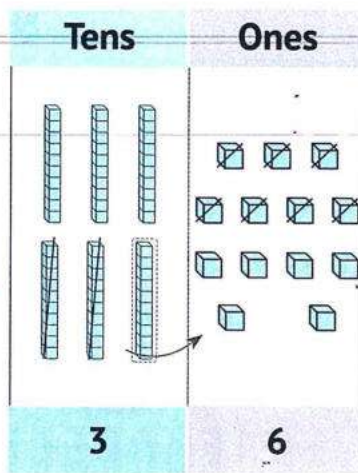




1 Draw **sticks** for **Tens** and **small squares** for **Ones**, then subtract: (as in the examples):

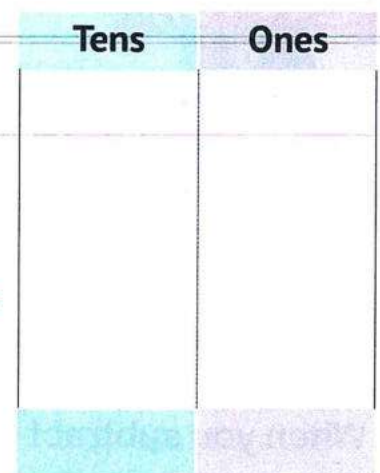
a

$$\begin{array}{r} 63 \\ - 27 \\ \hline 36 \end{array}$$



b

$$\begin{array}{r} 41 \\ - 25 \\ \hline \end{array}$$



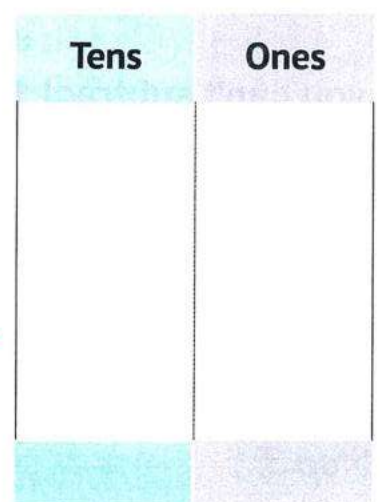
c

$$\begin{array}{r} 74 \\ - 19 \\ \hline \end{array}$$



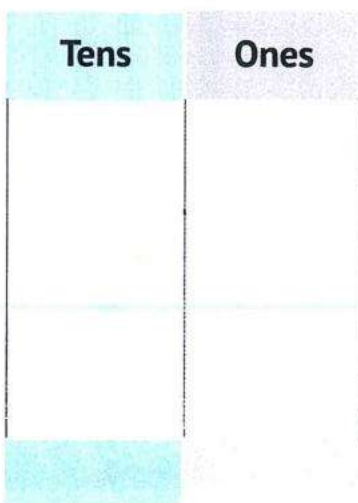
d

$$\begin{array}{r} 56 \\ - 27 \\ \hline \end{array}$$



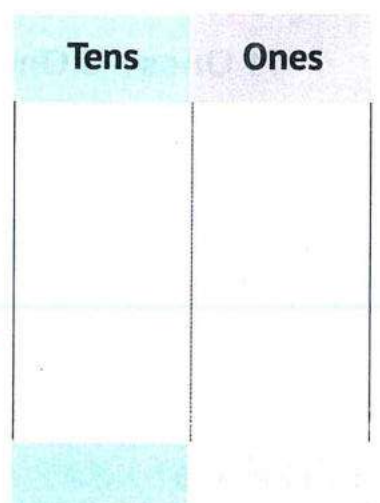
e

$$\begin{array}{r} 31 \\ - 18 \\ \hline \end{array}$$



f

$$\begin{array}{r} 73 \\ - 49 \\ \hline \end{array}$$



Second Way:

Step 1:

When you subtract the **Ones** minus the **Ones**,
you can't subtract 1 minus 5.

• عندما نقوم بطرح الآحاد - الآحاد
• ١ - ٥ (غير ممكن)

$$71 - 55 = \dots\dots\dots$$

$$\begin{array}{r} 71 \\ - 55 \\ \hline \end{array}$$

Step 2:

Borrow 1 from the **Tens** place,
and add it to the **Ones** place.

Where 1 **Ten** = 10 **Ones**.

• نستعير عشرة واحدة من خانة العشرات ونضيفها لخانة الآحاد.
• عشرة واحدة = ١٠ آحاد

$$71 - 55 = \dots\dots\dots$$

$$\begin{array}{r} 71 \\ - 55 \\ \hline \end{array}$$

Step 3:

1 **One** becomes 11 **Ones**,
and 7 **Tens** becomes 6 **Tens**.

• ١ آحاد أصبحت ١١ آحاد.
• ٧ عشرات أصبحت ٦ عشرات.

$$611 - 55 = \dots\dots\dots$$

$$\begin{array}{r} 611 \\ 71 \\ - 55 \\ \hline \end{array}$$

Step 4:

Subtract 11 **Ones** - 5 **Ones** = 6 **Ones**

And 6 **Tens** - 5 **Tens** = 1 **Ten**

$$611 - 55 = 16$$

$$\begin{array}{r} 611 \\ 71 \\ - 55 \\ \hline 16 \end{array}$$

Lesson 6 | Subtracting Numbers Using Regrouping



2 Subtract:



a 82

$- 57$

b 73

$- 29$

c 51

$- 15$

d 40

$- 27$



e 34

$- 19$

f 67

$- 39$

g 95

$- 19$

h 21

$- 8$



i $43 - 17 =$

j $53 - 36 =$

k $72 - 28 =$

l $60 - 56 =$

1



X

C



HOME ACTIVITIES



1 Draw sticks for Tens and small squares for Ones, then subtract:

a

$$\begin{array}{r} 96 \\ - 29 \\ \hline \end{array}$$

Tens

Ones

b

$$\begin{array}{r} 80 \\ - 36 \\ \hline \end{array}$$

Tens

Ones

c

$$\begin{array}{r} 71 \\ - 42 \\ \hline \end{array}$$

Tens

Ones

d

$$\begin{array}{r} 67 \\ - 18 \\ \hline \end{array}$$

Tens

Ones

e

$$\begin{array}{r} 53 \\ - 27 \\ \hline \end{array}$$

Tens

Ones

f

$$\begin{array}{r} 42 \\ - 15 \\ \hline \end{array}$$

Tens

Ones



Lesson 6 | Subtracting Numbers Using Regrouping



g

Tens	Ones
2	3
-	9
.....	

h

Tens	Ones
7	6
-	2 9
.....	

i

Tens	Ones
5	0
-	3 7
.....	

j

Tens	Ones
2	1
-	8
.....	

2 Subtract:

a $21 - 18 =$

b $90 - 36 =$

c $84 - 29 =$

d $82 - 48 =$

e $43 - 25 =$

f $78 - 29 =$

g $60 - 57 =$

h $53 - 26 =$

3 Subtract:

a 43

$- 19$

.....

b 82

$- 27$

.....

c 71

$- 55$

.....

d 90

$- 2$

.....



$$\begin{array}{r} \text{e} \quad 55 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f} \quad 26 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g} \quad 31 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h} \quad 91 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i} \quad 44 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j} \quad 81 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k} \quad 61 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad 22 \\ - 7 \\ \hline \end{array}$$



4 Complete using (<, =, or >):

$$\text{a} \quad 65 - 28 \quad \square \quad 31 - 19$$

$$\text{b} \quad 54 - 28 \quad \square \quad 72 - 18$$

$$\text{c} \quad 52 - 17 \quad \square \quad 60 - 25$$

$$\text{d} \quad 43 - 8 \quad \square \quad 82 - 14$$



5 Match:

$$\text{a} \quad 75 - 26$$

$$92 - 30 \quad \text{1}$$

$$\text{b} \quad 15 - 7$$

$$62 - 13 \quad \text{2}$$

$$\text{c} \quad 91 - 29$$

$$50 - 42 \quad \text{3}$$

$$\text{d} \quad 52 - 28$$

$$82 - 47 \quad \text{4}$$

$$\text{e} \quad 60 - 25$$

$$51 - 27 \quad \text{5}$$

$$\text{f} \quad 82 - 28$$

$$91 - 10 \quad \text{6}$$

$$\text{g} \quad 93 - 15$$

$$62 - 8 \quad \text{7}$$

$$\text{h} \quad 90 - 9$$

$$80 - 2 \quad \text{8}$$



Worksheet 4

First: Choose the correct answer:

- a 825 rounded to the nearest 10 is (820 or 830 or 800)
 b $458 = 400 + \dots$ (50 or 580 or 58)
 c $42 + 23 = \dots + 42$ (23 or 65 or 42)
 d 5 Hundreds + 7 Ones = (570 or 750 or 507)
 e The greatest 3-digit number is (999 or 897 or 100)

Second: Complete the following:

- a 45 , 50 , 55 , 60 , , (in the same pattern)
 b The place value of the digit 5 in 574 is
 c Ones + Hundreds + Tens = 734
 d $40 + 27 = \dots + 7$
 e $80 + 0 + 2 = \dots$

Third: Answer the following:

a Find the result:

①	$\begin{array}{r} 256 \\ + 148 \\ \hline \end{array}$	②	$\begin{array}{r} 246 \\ + 294 \\ \hline \end{array}$	③	$\begin{array}{r} 72 \\ - 29 \\ \hline \end{array}$	④	$\begin{array}{r} 84 \\ - 37 \\ \hline \end{array}$
							

b Compare using (<, =, or >):

① $74 - 28$		$63 - 17$	② $400 + 9$		$200 + 29$
③ $63 - 35$		$45 - 9$	④ $98 + 86$		$100 + 51$

c Tarek had 56 LE, he bought a book for 25 LE. Find the remaining money with Tarek.

Lessons

7 - 10

Strategies for Subtracting Two Numbers Using Models & Regrouping

(استراتيجيات طرح عددين باستخدام النماذج - بإعادة التجميع)

First: Subtracting using the place value table:

Draw **Hundreds** as **large squares**, **Tens** as **sticks** and **Ones** as small squares to subtract, use the **regrouping strategy**:

Ex. 1 $628 - 375$

Ones: $8 - 5 = 3$

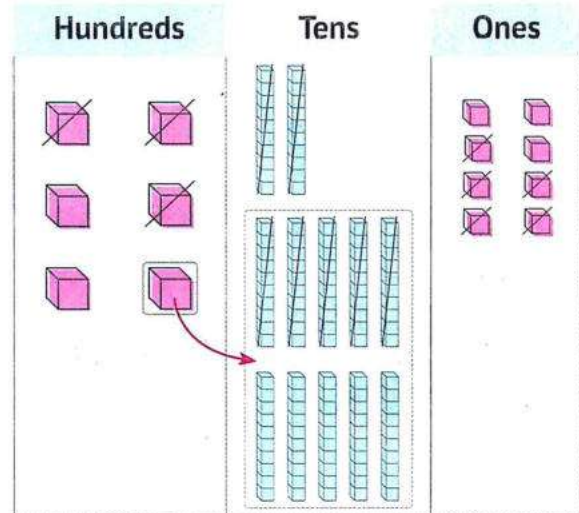
Tens: $2 - 7$ (Can't be)

- Borrow 1 from the Hundreds
(1 Hundred = 10 Tens)
- 2 Tens becomes 12 Tens.

So, $12 - 7 = 5$

Hundreds: 6 becomes 5 **So,** $5 - 3 = 2$

So, $628 - 375 = 253$



Ex. 2 $802 - 276$

Ones: $2 - 6$ (Can't be)

- Borrow 1 from the Hundreds
(1 Hundred = 10 Tens)
- 0 Tens becomes 10 Tens.
- Borrow 1 from the Tens
(1 Ten = 10 Ones)
- 2 Ones becomes 12 Ones.

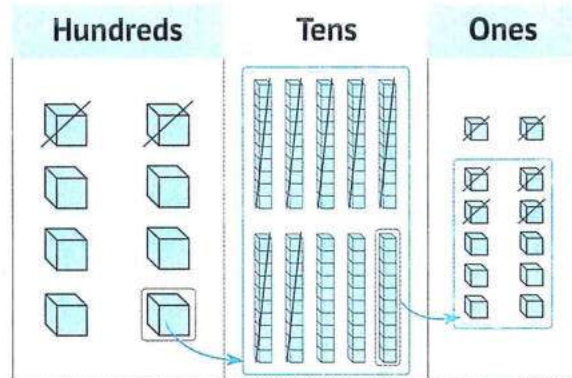
So, $12 - 6 = 6$

Tens: $9 - 7 = 2$

Hundreds: 8 becomes 7

So, $7 - 2 = 5$

So, $802 - 276 = 526$





1 Draw **Hundreds** as large squares, **Tens** as sticks and Ones as small squares. Subtract using the regrouping strategy:

a $658 - 253 =$

b $579 - 126 =$

Hundreds	Tens	Ones

Hundreds	Tens	Ones

c $738 - 172 =$

d $672 - 257 =$

Hundreds	Tens	Ones

Hundreds	Tens	Ones

e $634 - 187 =$

f $400 - 128 =$

Hundreds	Tens	Ones

Hundreds	Tens	Ones

Second: Subtracting using regrouping strategy: (Renaming)

Ex. Subtract : 325 – 139

Ones: 5 – 9 (Can't be)

- Borrow 1 from the Tens.
- 2 Tens becomes 1 Ten.
- 5 Ones becomes 15 Ones. ($15 - 9 = 6$)

Tens: 1 – 3 (Can't be)

- Borrow 1 from the Hundreds.
- 3 Hundreds becomes 2 Hundreds.
- 1 Ten becomes 11 Tens. ($11 - 3 = 8$)

Hundreds : 2 – 1 = 1

So, 315 – 139 = 186

$$\begin{array}{r} 1\ 15 \\ 3\cancel{2}\cancel{5} \\ - 139 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2\ 11\ 15 \\ \cancel{3}\cancel{2}\cancel{5} \\ - 139 \\ \hline 8\ 6 \end{array}$$

$$\begin{array}{r} 2\ 11\ 15 \\ \cancel{3}\cancel{2}\cancel{5} \\ - 139 \\ \hline 1\ 8\ 6 \end{array}$$

Ex. Subtract : 402 – 185

Ones: 2 – 5 (Can't be)

- We can't borrow 1 from the Tens (0).
- Borrow 1 from the Hundreds
- 4 Hundreds becomes 3 Hundreds.
- 0 Ten becomes 10 Tens.

- Borrow 1 from the Tens.
- 10 Tens becomes 9 Tens.
- 2 Ones becomes 12 Ones. ($12 - 5 = 7$)

Tens: 9 – 8 = 1

Hundreds: 3 – 1 = 2

So, 402 – 185 = 217

$$\begin{array}{r} 3\ 10 \\ 4\cancel{0}\cancel{2} \\ - 185 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 3\ 10\ 12 \\ \cancel{4}\cancel{0}\cancel{2} \\ - 185 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ 3\ 10\ 12 \\ \cancel{4}\cancel{0}\cancel{2} \\ - 185 \\ \hline 2\ 1\ 7 \end{array}$$



2 Find the result:

a 455

b 218

c 778

d 496

$- 321$

$- 5$

$- 281$

$- 48$

e 705

f 100

g 200

h 708

$- 78$

$- 1$

$- 159$

$- 378$

i $487 - 187 =$

j $283 - 157 =$

k $600 - 254 =$

l $400 - 270 =$

3 Find the result, then use the rounding strategy:

a $75 + 28 =$

To the nearest Ten =

b $257 - 78 =$

To the nearest Ten =

c $125 + 347 =$

To the nearest Hundred =

d $722 - 157 =$

To the nearest Hundred =

4 Ali has 42 LE and his brother has 57 LE.

How much money do they have altogether?

5 Samir made 48 cookies. He gave 22 to his sister Dalia.

How many cookies are left?

HOME ACTIVITIES



- 1 Draw **Hundreds** as large squares, **Tens** as sticks and **Ones** as small squares. Subtract using the **regrouping strategy**:

a $786 - 124 = \dots\dots\dots$

Hundreds	Tens	Ones

b $628 - 523 = \dots\dots\dots$

Hundreds	Tens	Ones

c $326 - 253 = \dots\dots\dots$

Hundreds	Tens	Ones

d $708 - 362 = \dots\dots\dots$

Hundreds	Tens	Ones

e $940 - 327 = \dots\dots\dots$

Hundreds	Tens	Ones

f $872 - 569 = \dots\dots\dots$

Hundreds	Tens	Ones

g $328 - 179 = \dots\dots\dots$

Hundreds	Tens	Ones

h $700 - 327 = \dots\dots\dots$

Hundreds	Tens	Ones





2 Subtract:

1 753

- 245

2 456

- 321

3 789

- 100

4 686

- 452

5 272

- 145

6 325

- 6

7 497

- 48

8 126

- 56

9 519

- 167

10 778

- 281

11 652

- 218

12 478

- 129

13 764

- 229

14 735

- 274

15 846

- 238

16 254

- 149

17 753

- 288

18 456

- 149

19 789

- 299

20 946

- 452

21 500

- 167

22 600

- 218

23 470

- 189

24 308

- 284

25 211

- 119

26 800

- 11

27 100

- 1

28 200

- 159

3 Subtract:

a $822 - 201 = \dots\dots\dots$

b $374 - 125 = \dots\dots\dots$

c $487 - 295 = \dots\dots\dots$

d $462 - 228 = \dots\dots\dots$

e $265 - 194 = \dots\dots\dots$

f $822 - 555 = \dots\dots\dots$

g $374 - 189 = \dots\dots\dots$

h $487 - 299 = \dots\dots\dots$

i $416 - 9 = \dots\dots\dots$

j $903 - 125 = \dots\dots\dots$

k $600 - 422 = \dots\dots\dots$

l $537 - 229 = \dots\dots\dots$

m $728 - 489 = \dots\dots\dots$

n $416 - 139 = \dots\dots\dots$

o $903 - 155 = \dots\dots\dots$

p $700 - 111 = \dots\dots\dots$

4 Find the result, then use the rounding strategy:

a $35 + 38 = \dots\dots\dots$ To the nearest Ten = $\dots\dots\dots$

b $125 + 358 = \dots\dots\dots$ To the nearest Ten = $\dots\dots\dots$

c $82 - 15 = \dots\dots\dots$ To the nearest Ten = $\dots\dots\dots$

d $300 - 21 = \dots\dots\dots$ To the nearest Ten = $\dots\dots\dots$

e $56 + 78 = \dots\dots\dots$ To the nearest Hundred = $\dots\dots\dots$

f $247 + 374 = \dots\dots\dots$ To the nearest Hundred = $\dots\dots\dots$

g $200 - 78 = \dots\dots\dots$ To the nearest Hundred = $\dots\dots\dots$

h $641 - 175 = \dots\dots\dots$ To the nearest Hundred = $\dots\dots\dots$

5 Answer the following:

a Ali had 42 LE and his brother had 57 LE.

How much money do they have altogether?

 $\dots\dots\dots$

b Aya saved 33 LE in one month. The next month, she saved 24 LE.

How much money does Aya have in all?

 $\dots\dots\dots$



- c Tarek bought a book for 44 LE and a new football for 44 LE.
How much money did Tarek have altogether?



- d Tarek and his friend Karim bought new footballs.
Tarek's football costs 189 LE, and Karim's football costs 425 LE.
How much money did both boys spend on their footballs?



- e In a class, there are 35 girls and 13 boys.
How many more girls are there than boys?



- f Jana collected stamps. She had 180 stamps. She gave 20 stamps to her brother. How many stamps does she have left?



- g Maha and Safa had 28 gifts to wrap. They have wrapped 4 of them.
How many more do they need to wrap?



- h There were 65 people on the bus. At the first stop, 21 people got off.
How many people are left on the bus?



- i Jasmine has 25 candies. Walid has 14 candies.
How many more candies does Jasmine have?



- j Mona's grandmother gave Mona and her brother Kareem money for their birthdays. She gave each child 125 LE.
How much money did Mona's grandmother give in all?



Worksheet

3

First: Choose the correct answer:

- a The **place value** of the digit 5 in 975 is
 (Ones ☐ or Tens ☐ or Hundreds)
 (100 ☐ or 123 ☐ or 999)
- b The **smallest** 3-digit number is
 (652 ☐ or 562 ☐ or 256)
- c 2 Ones + 5 Hundreds + 6 Tens =
 (5 ☐ or 50 ☐ or 500)
- d $589 = \dots + 80 + 9$
 (714 ☐ or 740 ☐ or 704)
- e Seven hundred forty =

Second: Complete the following:

- a The **smallest** number formed from 7, 0, and 4 is
- b The **value** of the digit 4 in 245 is
- c 5 Hundreds = Tens
- d $915 + \dots = 572 + 915$
- e 3 Ones, 5 Tens, 2 Hundreds in **digits** is

Third: Answer the following:**a Find the result:**

①
$$\begin{array}{r} 878 \\ + 22 \\ \hline \end{array}$$

②
$$\begin{array}{r} 975 \\ - 436 \\ \hline \end{array}$$

③ $172 + 64 = \dots$

④ $300 - 79 = \dots$

b Compare using (<, =, or >):

① $370 + 40 \quad \square \quad 500 - 290$

② $520 \quad \square \quad 2 \text{ Hundreds} + 5 \text{ Tens}$

③ $283 \quad \square \quad 315$

④ $116 \quad \square \quad 11 + 6$

c Maha had 245 pounds. Her father gave her 314 pounds.

How much money does Maha have?

Maha has = + = pounds.



Chapter Lessons

1
2
3

Lesson 1

Forming Fractions (Halves – Thirds – Fourths)

Outcomes:

- Participating in Calendar Math Activities.
- Identifying equal and unequal parts of a whole.

Lessons 2-6

Many Fractions Forms

Outcomes:

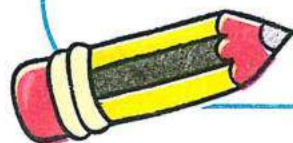
- Participating in Calendar Math Activities.
- Creating halves, thirds and fourths of circles.
- Using the appropriate vocabulary to describe fractions.
- Investigating the attributes of halves, thirds and fourths.
- Investigating fractions with numerators greater than 1.
- Making connections between images of fractions and fraction names.
- Identifying multiple ways to divide a rectangle into fractional parts.
- Creating fractions using words or number clues.
- Naming all fractional parts for halves, thirds and fourths.

Lessons 7-10

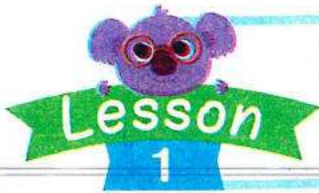
Fraction as a Part of a Set & Applications on Fractions

Outcomes:

- Participating in Calendar Math Activities.
- Identifying and writing fractional parts of a set.
- Comparing fractions of a whole and of a set.
- Identifying fractions of a set of objects.
- Writing fraction questions about a set of objects.
- Solving story problems involving fractions of a whole or a set.
- Evaluating students' progress in learning about fractions.
- Partitioning rectangles into three or four equal parts.
- Demonstrating their understanding that each fractional part of a rectangle is part of a whole.
- Describing equal parts of a whole using fraction vocabulary..

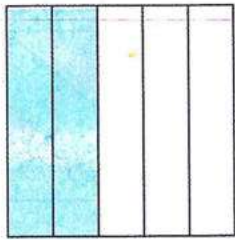


A
B
C
★



Forming Fractions (Halves – Thirds – Fourths)

تكوين كسور (أنصاف - أثلاث - أرباع)



Numerator

The number of parts you **have**.

Shaded Parts

عدد الأجزاء المظللة

2
5

Fraction Bar

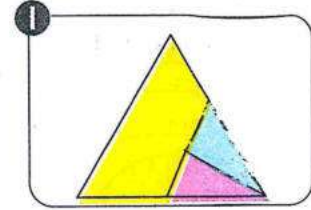
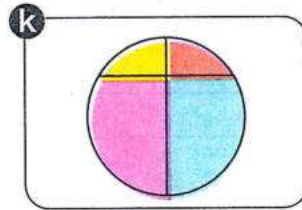
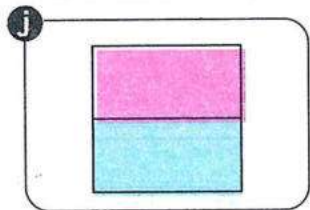
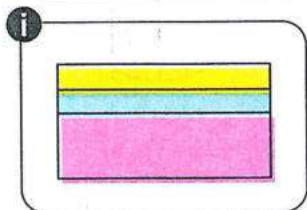
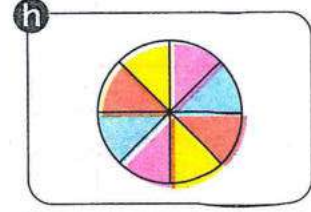
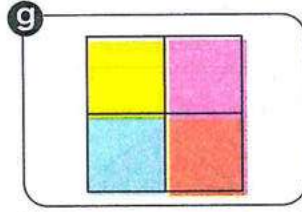
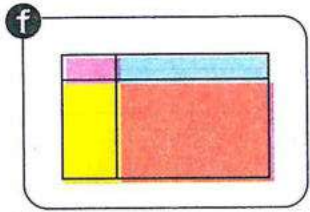
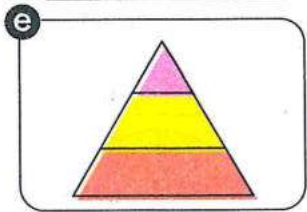
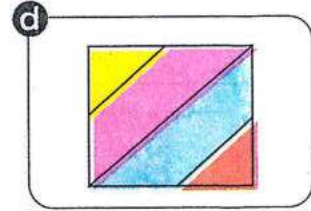
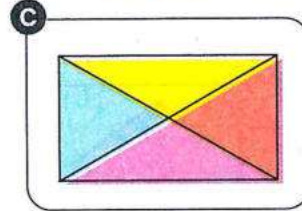
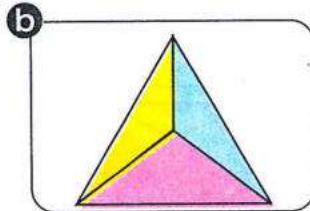
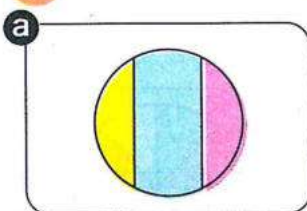
Denominator

The number of parts in a **whole**

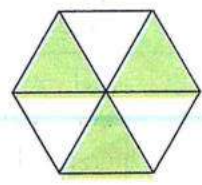
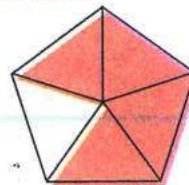
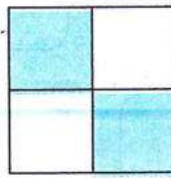
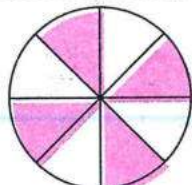
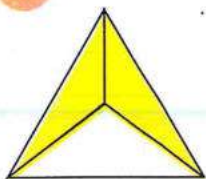
All Parts

عدد جميع الأجزاء

1 Circle the shapes that are divided into **equal** parts:



2 Write the fraction that represents the **shaded** part:



a $\frac{\quad}{\quad}$

b $\frac{\quad}{\quad}$

c $\frac{\quad}{\quad}$

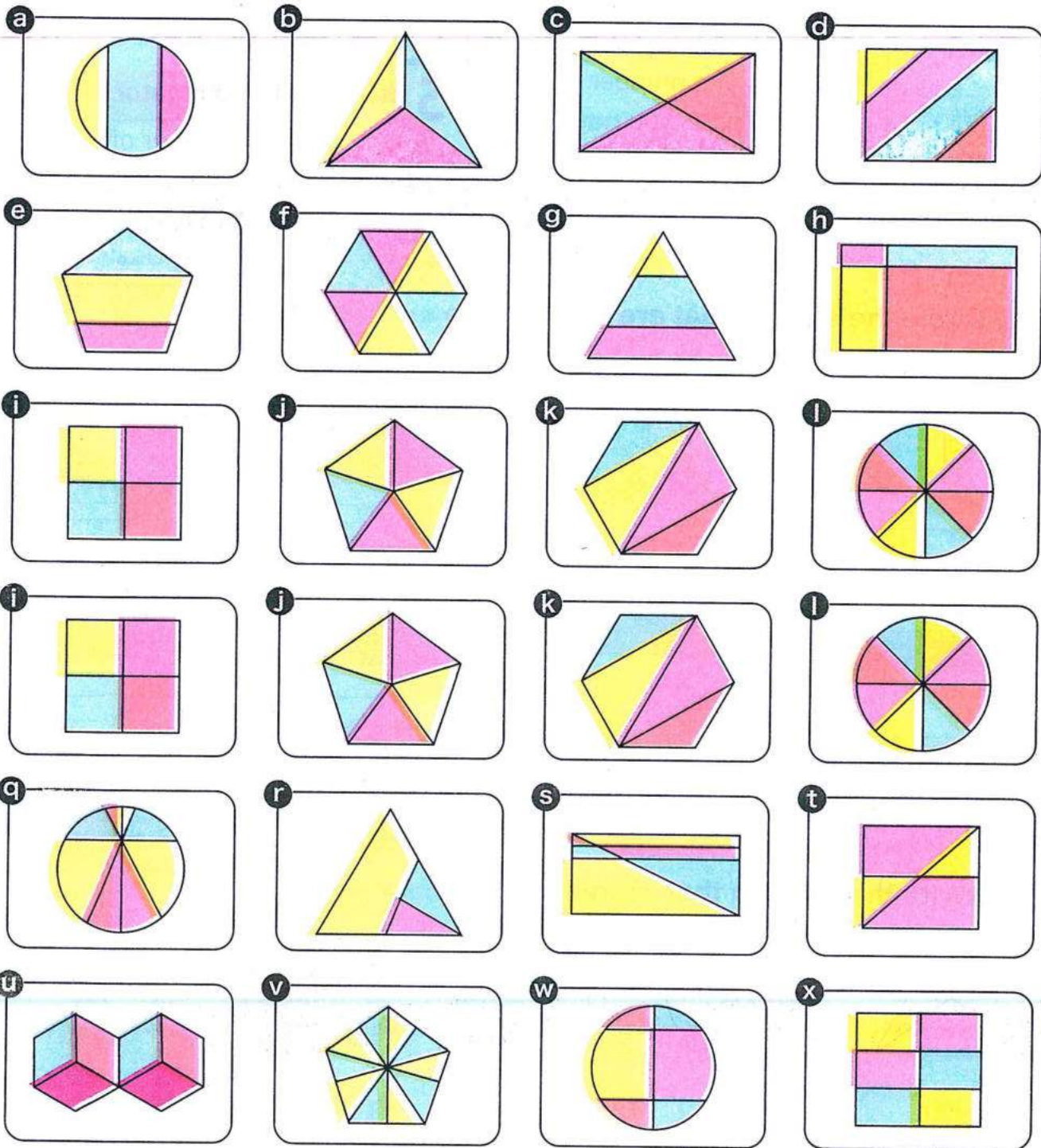
d $\frac{\quad}{\quad}$

e $\frac{\quad}{\quad}$

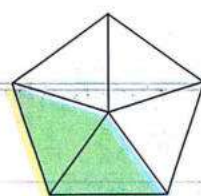
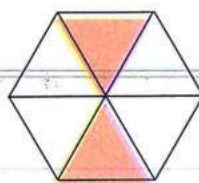
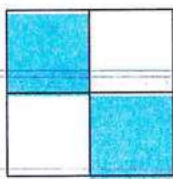
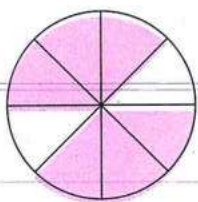
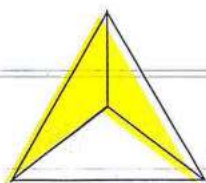


HOME ACTIVITIES

1 Circle the shapes that are divided into **equal** parts:



2 Write the fraction that represents the **shaded** part:



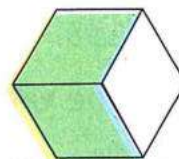
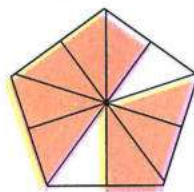
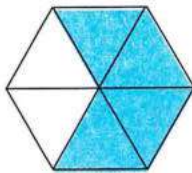
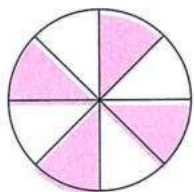
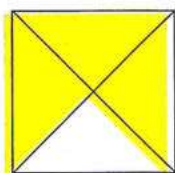
a $\frac{\quad}{\quad}$

b $\frac{\quad}{\quad}$

c $\frac{\quad}{\quad}$

d $\frac{\quad}{\quad}$

e $\frac{\quad}{\quad}$



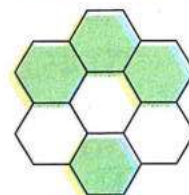
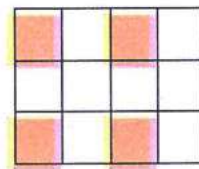
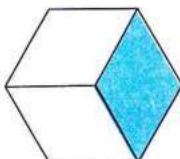
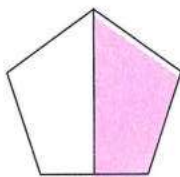
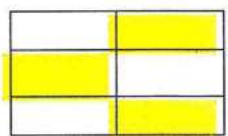
f $\frac{\quad}{\quad}$

g $\frac{\quad}{\quad}$

h $\frac{\quad}{\quad}$

i $\frac{\quad}{\quad}$

j $\frac{\quad}{\quad}$



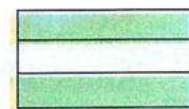
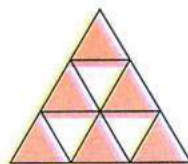
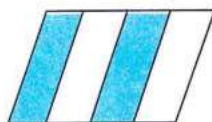
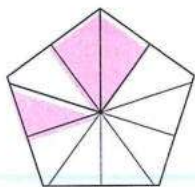
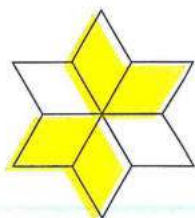
k $\frac{\quad}{\quad}$

l $\frac{\quad}{\quad}$

m $\frac{\quad}{\quad}$

n $\frac{\quad}{\quad}$

o $\frac{\quad}{\quad}$



p $\frac{\quad}{\quad}$

q $\frac{\quad}{\quad}$

r $\frac{\quad}{\quad}$

s $\frac{\quad}{\quad}$

t $\frac{\quad}{\quad}$

Worksheet 1

First: Choose the correct answer:

- a $325 = \dots + 25$ (3 or 30 or 300)
 b The number just **before** 505 is (404 or 506 or 504)
 c 5 Hundreds + 4 Tens = (504 or 540 or 450)
 d The fraction of  is ($\frac{1}{3}$ or $\frac{1}{4}$ or $\frac{1}{2}$)

Second: Complete the following:

- a $138 + 25 = 25 + \dots$
 b The **value** of the digit 5 in 753 is
 c The **greatest** number formed from the digits 2, 5 and 7 is
 d The fraction of  is"

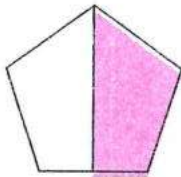
Third: Answer the following:

a **Find the result:**

1 $452 + 375 = \dots$ 2 $850 - 619 = \dots$

b **Write the fraction of each of the following:**

1



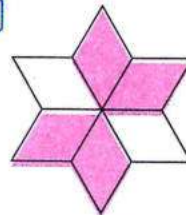
.....

2



.....

3



.....

c **Ahmed has 537 pounds, his father gave him 350 pounds.**

How much money does he have?

Ahmed has = + = pounds.

d **Arrange the following in an ascending order:**

532 , 253 , 99 , 523 , 235

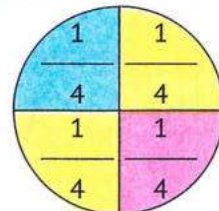
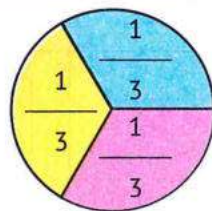
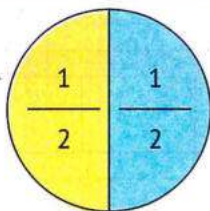


Many Fractions Forms

صيغ متنوعة للكسور

Fractions in the pictures
and numbers

الكسر في الصورة والعدد



Number of equal parts

عدد الأجزاء المتساوية

2 Parts

3 Parts

4 Parts

Fractions in words

الكسر بالحروف

Half/Halves

Third

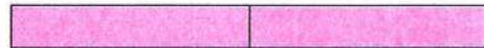
Fourth
(quarter)

1 Write the fraction of the shaded part:

a



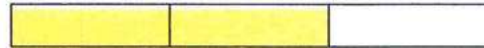
b



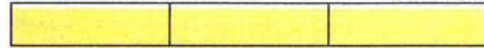
c



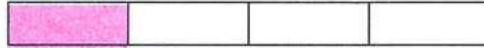
d



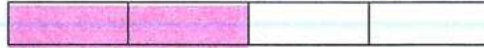
e



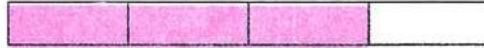
f



g



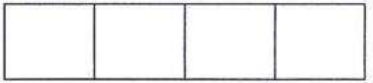
h



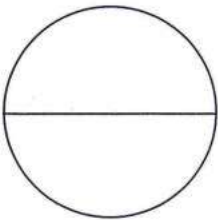
i

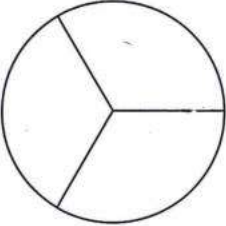


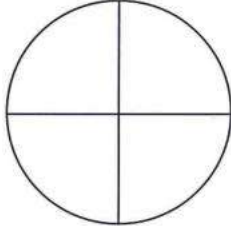
2 Shade according to the **fraction**, then complete the table:

	Fraction in Words	Fraction	Fraction in Digits
a	A half		$\frac{\quad}{\quad}$
b	A third		$\frac{\quad}{\quad}$
c	Two thirds		$\frac{\quad}{\quad}$
d	A fourth		$\frac{\quad}{\quad}$
e	Three fourths		$\frac{\quad}{\quad}$

3 Shade **one piece** of each circle, then write the fraction:


 $\frac{\quad}{\quad}$


 $\frac{\quad}{\quad}$

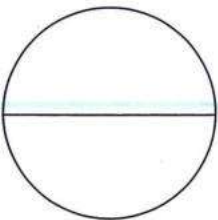

 $\frac{\quad}{\quad}$

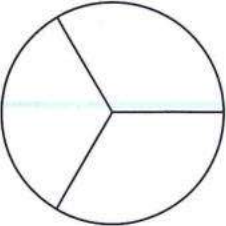
a

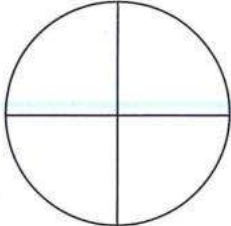
b

c

4 Shade **two pieces** of each circle, then write the fraction:


 $\frac{\quad}{\quad}$


 $\frac{\quad}{\quad}$


 $\frac{\quad}{\quad}$

a

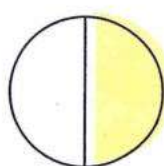
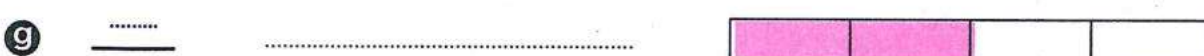
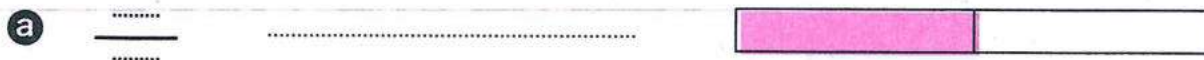
b

c

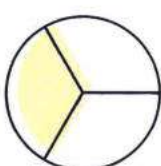
HOME ACTIVITIES



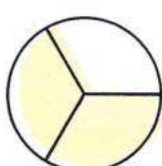
1 Write the fraction of the shaded part:



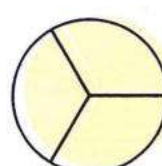
$\frac{\quad}{\quad}$



$\frac{\quad}{\quad}$



$\frac{\quad}{\quad}$



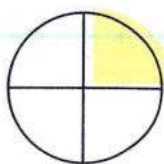
$\frac{\quad}{\quad}$

j $\frac{\quad}{\quad}$

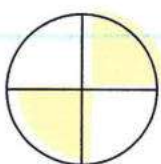
k $\frac{\quad}{\quad}$

l $\frac{\quad}{\quad}$

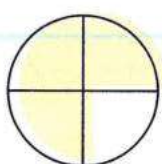
m $\frac{\quad}{\quad}$



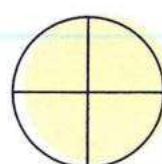
$\frac{\quad}{\quad}$



$\frac{\quad}{\quad}$



$\frac{\quad}{\quad}$



$\frac{\quad}{\quad}$

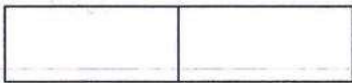
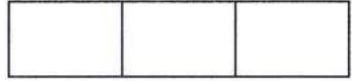
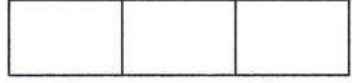
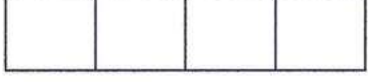
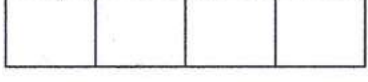
n $\frac{\quad}{\quad}$

o $\frac{\quad}{\quad}$

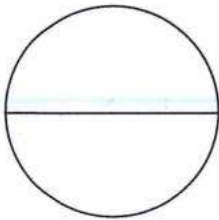
p $\frac{\quad}{\quad}$

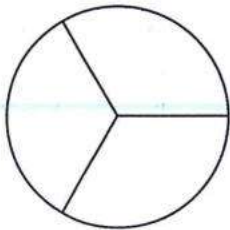
q $\frac{\quad}{\quad}$

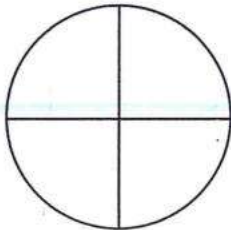
2 Shade according to the **fraction**, then complete the table:

	Fraction in Words	Fraction	Fraction in Digits
a	A half		
b	Two halves		
c	A third		
d	Two thirds		
e	Three thirds		
f	A fourth		
g	Two fourths		
h	Three fourths		
i	Four fourths		

3 Shade **one piece** of each circle, then write the fraction:



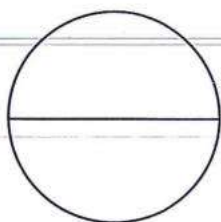




a

b

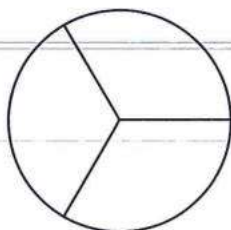
c

4 Shade **two pieces** of each circle, then write the fraction:



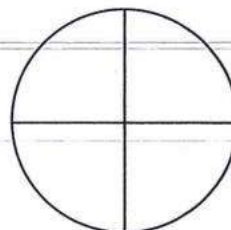
.....
.....

a



.....
.....

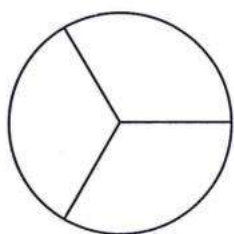
b



.....
.....

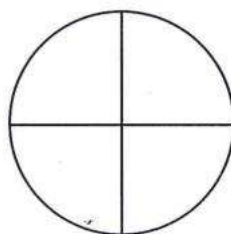
c

5 Shade **three pieces** of each circle, then write the fraction:



.....
.....

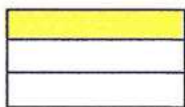
a



.....
.....

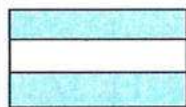
b

6 Write the fraction:



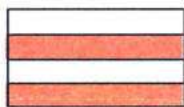
.....
.....

a



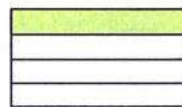
.....
.....

b



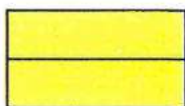
.....
.....

c



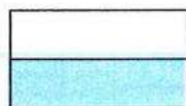
.....
.....

d



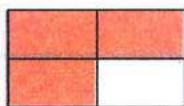
.....
.....

e



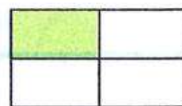
.....
.....

f



.....
.....

g



.....
.....

h

Worksheet 2

First: Choose the correct answer:

- a The **value** of the digit 3 in 235 is (300 or 30 or 3)
- b $700 < \dots\dots\dots$ (600 or 800 or 700)
- c $900 + 70 + 4 = \dots\dots\dots$ (974 or 947 or 749)
- d Six hundred and twenty-one = (512 or 216 or 621)

Second: Complete the following:

- a The number "Six hundred and six", in **digits** is
- b The **greatest** 3-digit number is
- c The **smallest** number formed from the digits 8, 2 and 4 is
- d 800 , 700 , 600 , , ,

Third: Answer the following:

a Find the result :

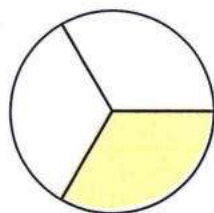
$$\begin{array}{r} 1 \quad 348 \\ + 114 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 569 \\ - 215 \\ \hline \end{array}$$

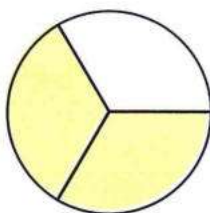
$$\begin{array}{r} 3 \quad 649 \\ + 130 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 482 \\ - 265 \\ \hline \end{array}$$

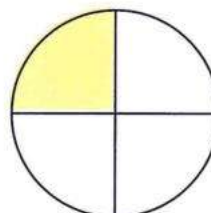
b Write the fraction of each of the following:



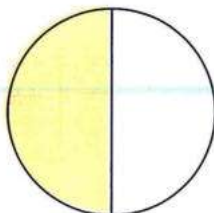
1
.....



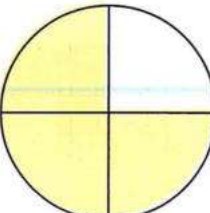
2
.....



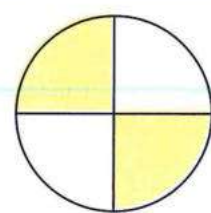
3
.....



4
.....



5
.....



6
.....



Fraction as a Part of a Set & Applications on Fractions

الكسر كجزء من مجموعة / تطبيقات على الكسور

A set is a group of pupils.

There are 6 pupils:

4 boys and 2 girls.

- The fraction representing the number of boys.

• الكسر الذي يمثل عدد الأولاد:

The number of boys.

$$\frac{4}{6}$$

The number of pupils.

- The fraction representing the number of girls.

• الكسر الذي يمثل عدد البنات:

The number of girls.

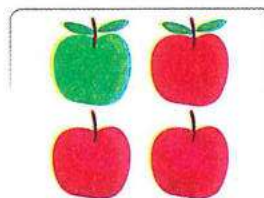
$$\frac{2}{6}$$

The number of pupils.



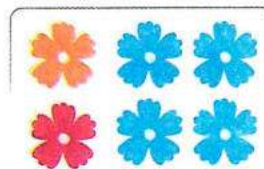
1 Complete:

- The fraction of the red apples =
- The fraction of the green apples =
- The fraction of the apples that have leaves =



2 Complete:

- The fraction of the red flowers =
- The fraction of the blue flowers =
- The fraction of the yellow flowers =

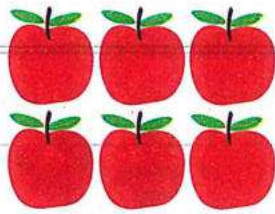


3 Complete:

- The fraction of the red books =
- The fraction of the green books =
- The fraction of the red or green books =



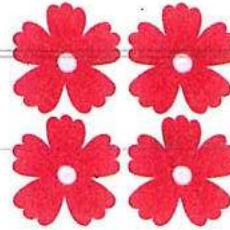
4 Circle according to the fraction:



$$\frac{1}{3}$$



$$\frac{1}{4}$$



$$\frac{3}{4}$$



$$\frac{1}{4}$$



$$\frac{1}{2}$$



$$\frac{3}{4}$$



$$\frac{2}{3}$$

5 Marwa baked an apple pie and cut it into four equal pieces. She gave one piece to her brother and one to her sister.

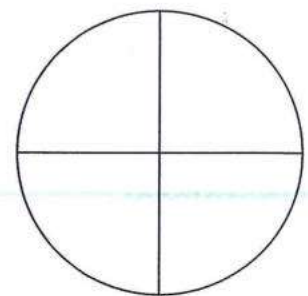
a What fraction of the pie did Marwa's

brother eat?

b What fraction of the pie did Marwa's

sister eat?

c What fraction of the pie is remaining?



HOME ACTIVITIES

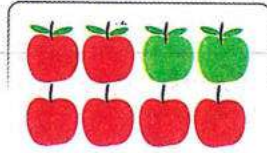


1 Complete the following:

a 1 The fraction of the red apples =

2 The fraction of the green apples =

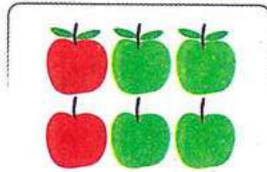
3 The fraction of the apples that have leaves =



b 1 The fraction of the red apples =

2 The fraction of the green apples =

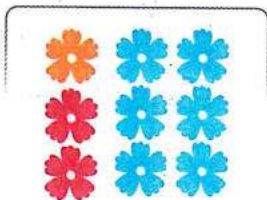
3 The fraction of the apples that have leaves =



c 1 The fraction of the red flowers =

2 The fraction of the blue flowers =

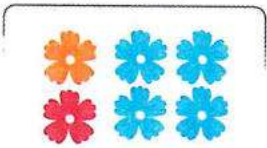
3 The fraction of the yellow flowers =



d 1 The fraction of the red flowers =

2 The fraction of the blue flowers =

3 The fraction of the yellow flowers =



e 1 The fraction of the red flowers =

2 The fraction of the blue flowers =

3 The fraction of the yellow flowers =

4 The fraction of the blue or yellow flowers =

5 The fraction of the red or yellow flowers =



f 1 The fraction of the red books =

2 The fraction of the green books =

3 The fraction of the red or green books =



Lessons 7-10 | Fraction as a Part of a Set & Applications on Fractions

g ① The fraction of the red books =

② The fraction of the green books =

③ The fraction of the red or green books =



h ① The fraction of the red books =

② The fraction of the green books =

③ The fraction of the red or green books =



i ① The fraction of the red pens =

② The fraction of the green pens =

③ The fraction of the red or green pens =

④ The fraction of the blue pens =



j ① The fraction of the red pens =

② The fraction of the green pens =

③ The fraction of the red or green pens =



2 Circle according to the fraction:



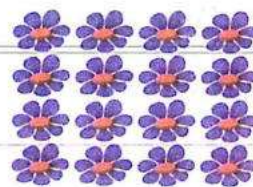
$$\frac{1}{3}$$



$$\frac{1}{4}$$



$$\frac{3}{4}$$



$$\frac{1}{4}$$



$$\frac{1}{3}$$



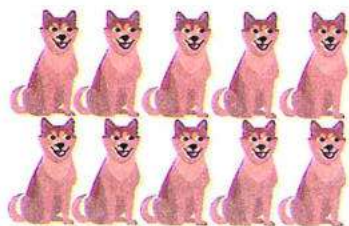
$$\frac{1}{4}$$



$$\frac{3}{4}$$



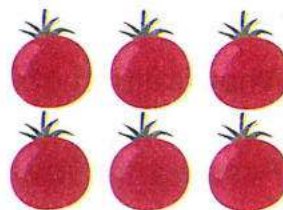
$$\frac{1}{4}$$



$$\frac{1}{2}$$



$$\frac{3}{4}$$



$$\frac{2}{3}$$



$$\frac{1}{2}$$



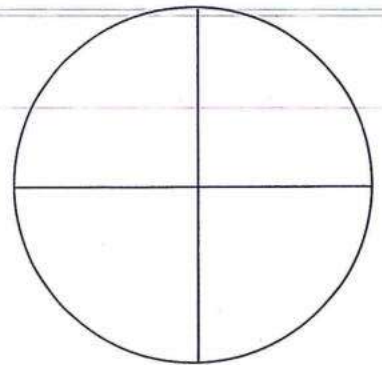
$$\frac{3}{4}$$



$$\frac{2}{3}$$

- 3** Marwa baked an apple pie and cut it into **four equal** pieces. She gave **one** piece to her brother and **one** to her sister.

- a** What fraction of the pie did Marwa's brother eat?
- b** What fraction of the pie did Marwa's sister eat?
- c** What fraction of the pie is **remaining**?



- 4** Rana had **4** cookies in her lunch. She gave her friend Aya **2** of them. What fraction of the cookies did Rana **share**?
- 5** Omer went out for pizza. His pizza had **3** slices, and he ate **2** of them. What fraction of the pizza is **left**?
- 6** Karim had a sandwich. He cut it into **two** pieces and ate **one** of them. What fraction of the sandwich did he **eat**?
- 7** Farah and Sherif picked some flowers. They had **four** flowers. Farah took **3** of the flowers and gave **one** to Sherif. What fraction of the flowers did Farah **take**?
- 8** Sara baked a pie and cut it into **four** pieces. Her family ate **3** of the pieces. What fraction of the pie is **left over**?
- 9** Dina had **three** cookies in her lunch. If she eat all three of them, what fraction of the cookies did she **eat**?

Worksheet 3

First: Choose the correct answer:

- a The **greatest** number formed from 7, 1, and 9 is
 (971 or 917 or 179)
- b The number is **between** 409 and 411. (410 or 408 or 412)
- c The number that comes just **after** 299 is (300 or 400 or 200)
- d 210, 220, 230, (in the same pattern). (231 or 240 or 250)

Second: Complete the following:

- a The **place value** of the digit 3 in 327 is
- b $5 + 30 + 600 = \dots\dots\dots$ c $123 + \dots\dots\dots = 326 + 123$
- d The **greatest** 3-digit number is

Third: Answer the following:

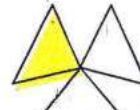
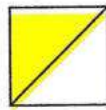
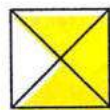
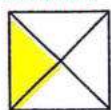
a **Find the result:**

1 $949 - 897 = \dots\dots\dots$	3 216	4 341
2 $193 + 111 = \dots\dots\dots$	$\begin{array}{r} - 107 \\ \hline \end{array}$	$\begin{array}{r} + 597 \\ \hline \end{array}$

- b **Salwa bought a dress for 275 pounds and a pair of shoes for 125 pounds. How much money did Salwa pay?**

Salwa paid = + = pounds

c **Match:**



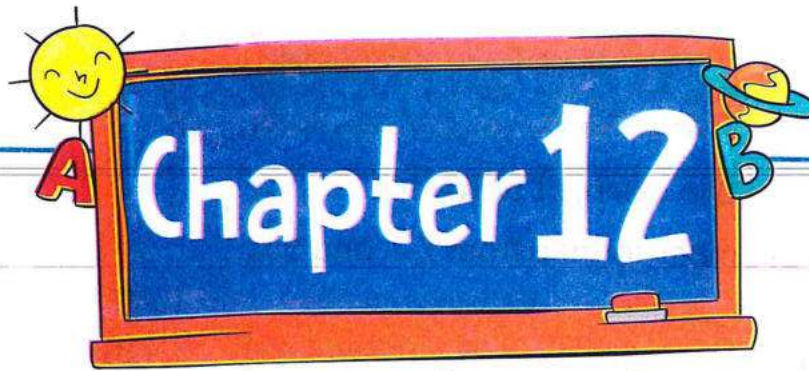
$$\frac{3}{4}$$

$$\frac{1}{4}$$

$$\frac{1}{3}$$

$$\frac{\quad}{\quad}$$

$$\frac{1}{2}$$



Chapter Lessons

Lessons 1-3

Reading and Explaining Data

Outcomes:

- Participating in Calendar Math Activities.
- Interpreting data in Bar Graphs with a scale of 5 or 10.
- Interpreting data in Pictographs with a scale of 5 or 10.
- Explaining why it is important to use an appropriate scale when creating graphs.
- Organizing four categories of data into a Bar Graph.
- Choosing an appropriate scale based on the data being graphed.
- Creating and solving Put-together, Compare and Take-apart problems using data..

Lessons 4-7

Applications on Arrays

Outcomes:

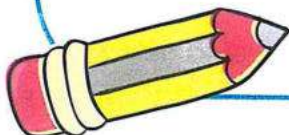
- Participating in Calendar Math Activities.
- Identifying real-world arrays.
- Writing repeated addition sentences for arrays.
- Calculating the total number of objects in arrays.
- Creating arrays with given rows and columns..

Lessons 8-10

Applications on Addition and Subtraction

Outcomes:

- Participating in Calendar Math Activities.
- Adding and subtracting 1-, 2-, 3-and digit-numbers.
- Applying variety of strategies to solve problems.
- Writing story problems for addition and subtraction equations.
- Applying variety of strategies to solve addition and subtraction story problems.
- Collaborating to play a math game.
- Evaluating the students' progress in adding and subtracting with regrouping.
- Reflecting on the students' learning on primary 2 Mathematics.



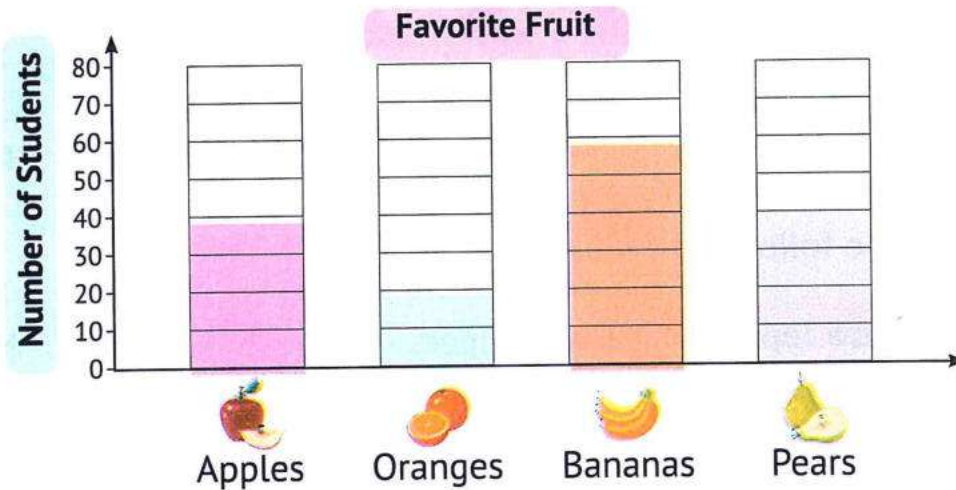


Reading and Explaining Data

قراءة وتفسير البيانات

Bar Graph

- 1 Look at the **favorite fruit graph**, then answer:



- a Complete the following table:

Favorite Fruit				
	Apples	Oranges	Bananas	Pears
Number of Students				

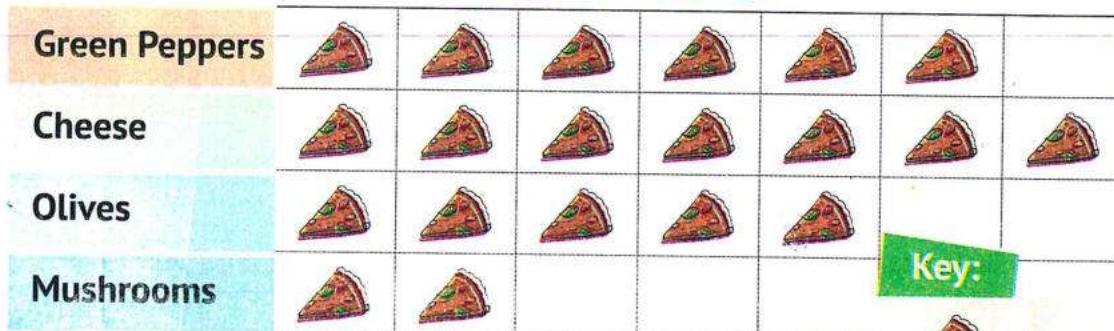
- b Answer the following questions:

- How many students like **oranges**?
- How many students like **apples** or **bananas**?
- How many students like **bananas** or **pears**?
- How many students were asked about their favorite fruit?
- What is the **least** popular fruit on this graph?

Pictograph

2 Look at the pictograph, then answer:

Favorite Pizza Toppings



Key:



= 2 people

a Complete the following table:

Favorite Pizza Toppings	Green Peppers	Cheese	Olives	Mushrooms
Number of People				

b Answer the following questions:

1 How many people like **cheese** and **green peppers**?

.....

2 How many people like **cheese**, **green peppers**, and **olives**?

.....

3 How many **more** people like **cheese** than **green peppers**?

.....

4 How many **fewer** people like **mushrooms** than **olives**?

.....

5 What is the pizza topping that is liked the **most** on this graph?

.....

3 Look at the **animals on a farm** pictograph, then answer:

Animals on a Farm

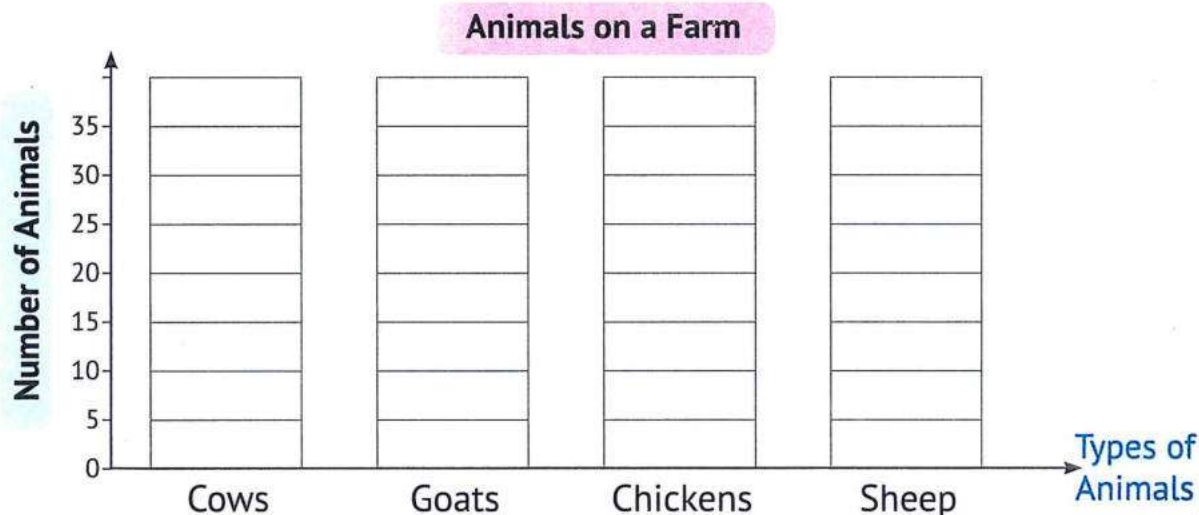
Cows							
Goats							
Chickens							
Sheep						Key:	

Each animal picture represents 5 animals.

a Complete the following table:

Types of Animals	Cows	Goats	Chickens	Sheep
Number of Animals				

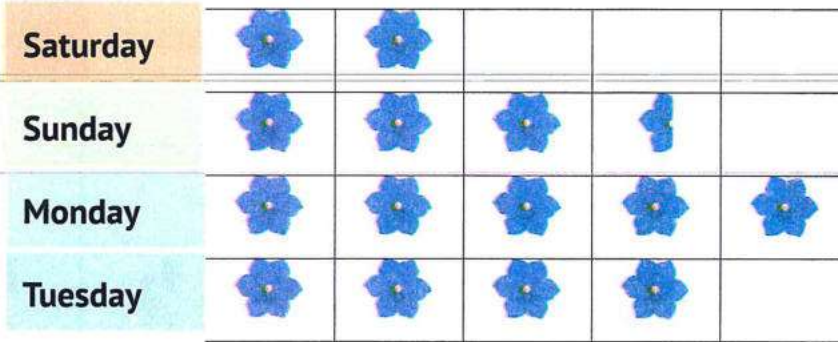
b Complete the following bar graph:



c Answer the following questions:

- How many **cows** are there on the farm?
- How many **goats** and **chickens** are there on the farm?
- What is the **most** type of animals found on the farm?
- What is the **least** type of animals found on the farm?

4 Look at the **pick a flower** pictograph, then answer:



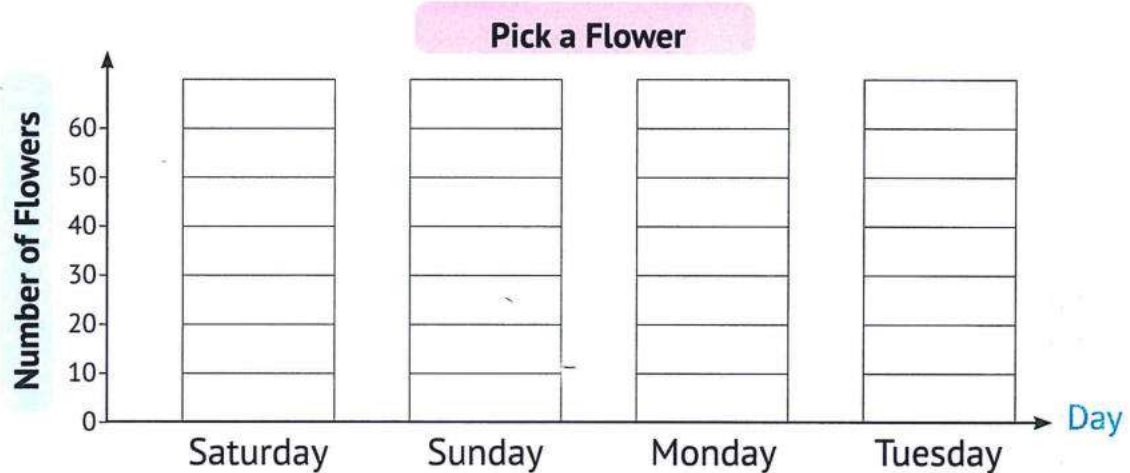
Key:

 = 10 flowers

 = 5 flowers

a Complete the following table:

Day	Saturday	Sunday	Monday	Tuesday
Number of Flowers				



b Answer the following questions:

① How many flowers were picked on **Tuesday**?

.....

② How many **more** flowers were picked on **Sunday** than **Saturday**?

.....

③ Which day had the **most** number of flowers picked?

.....

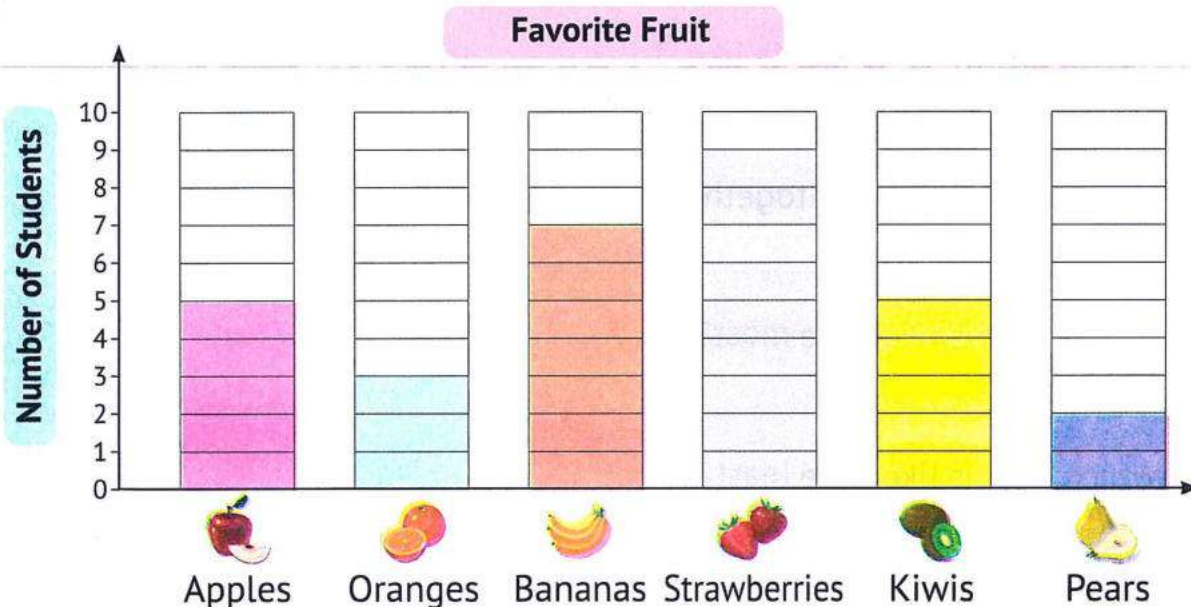
④ Which day had the **least** number of flowers picked?

.....

HOME ACTIVITIES



1 Look at the **favorite fruit** graph, then answer.



a Complete the following table:

Favorite Fruit						
	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students	.....	.....	.....	.....	.....	.....

b Use the bar graph, then complete using ($<$, $=$, or $>$):

① Number of students who like **apples**

Number of students who like **kiwis**

② Number of students who like **oranges**

Number of students who like **bananas**

③ Number of students who like **pears**

Number of students who like **strawberries**

C Answer the following questions:

① How many students like oranges?

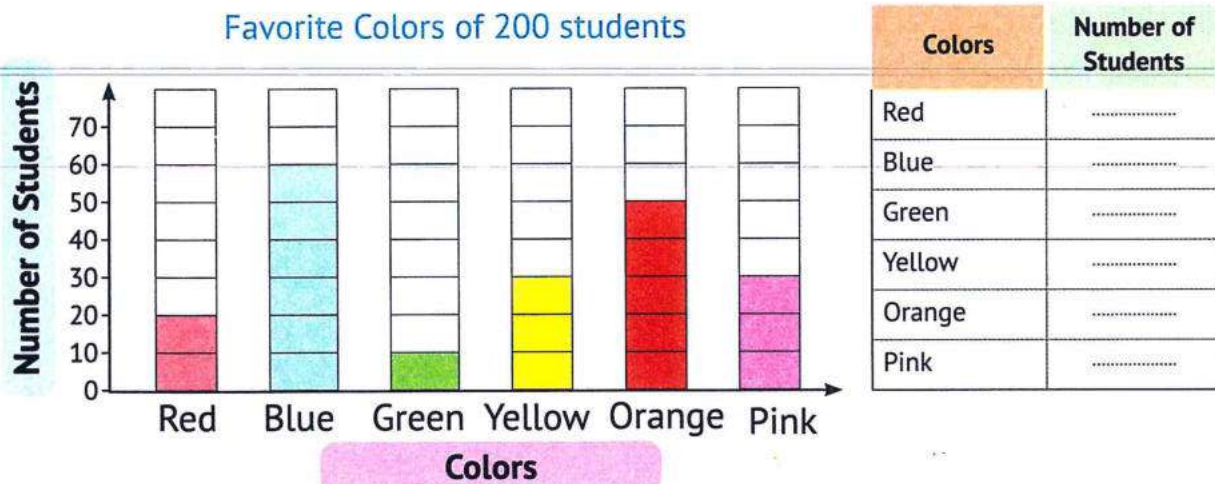
② How many more students like strawberries than pears?

③ How many students altogether like kiwis, apples, and oranges?

④ Which fruit is liked the most?

⑤ Which fruit is liked the least?

2 Look at the **favorite color** graph, then answer the questions below:



a Use the bar graph, then complete using ($<$, $=$, or $>$):

1 Number of students who like
red



Number of students who like
green

2 Number of students who like
blue



Number of students who like
yellow

3 Number of students who like
green



Number of students who like
orange

4 Number of students who
like yellow



Number of students who like
pink

5 Number of students who
like orange



Number of students who like
blue

6 Number of students who
like pink



Number of students who like
red



b Answer the following questions:

① How many students like **red** the most?



② How many students like **blue** the most?



③ How many students like **green** the most?



④ How many students like **yellow** the most?



⑤ How many students like **orange** the most?



⑥ How many students like **pink** the most?



⑦ How many students like pink or blue (**pink** + **blue**)?

⑧ How many **more** people like yellow more than green (**yellow** – **green**)?



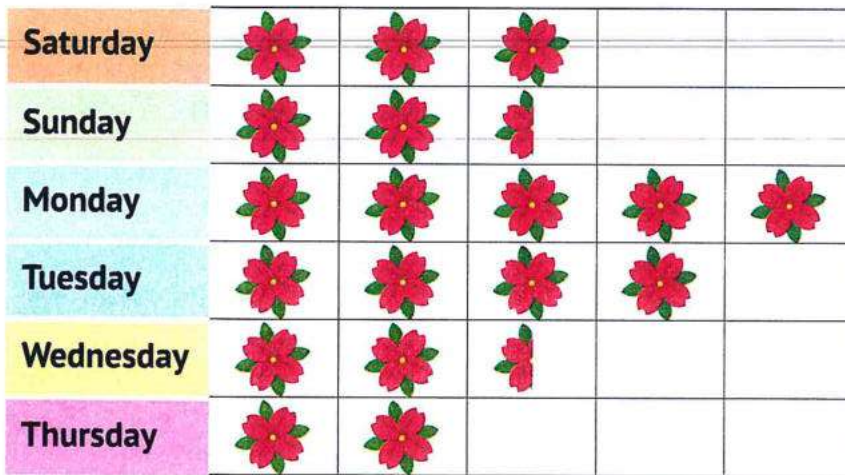
⑨ How many students like red or blue (**red** + **blue**)?



⑩ How many **more** students like blue more than orange (**blue** – **orange**)?



3 Look at the **pick a flower** pictograph, then answer:



Key:

 = 10 flowers

 = 5 flowers

a Complete the following table:

Day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of Flowers						

b Use the bar graph, then complete using (<, =, or >):

① Number of flowers on
Sunday

Number of flowers on
Tuesday

② Number of flowers on Sat-
urday

Number of flowers on
Sunday

③ Number of flowers on
Wednesday

Number of flowers on
Monday

④ Number of flowers on
Monday

Number of flowers on
Thursday

5 Number of flowers on
Tuesday

Number of flowers on
Saturday

6 Number of flowers on
Thursday

Number of flowers on
Saturday

C Answer the following questions:

1 How many flowers were picked on Monday?

.....

2 How many flowers were picked on Tuesday?

.....

3 How many more flowers were picked on Saturday than Sunday?

.....

4 How many more flowers were picked on Monday than Tuesday?

.....

5 How many flowers were picked on Monday and Wednesday?

.....

6 How many flowers were picked on Sunday or Thursday?

.....

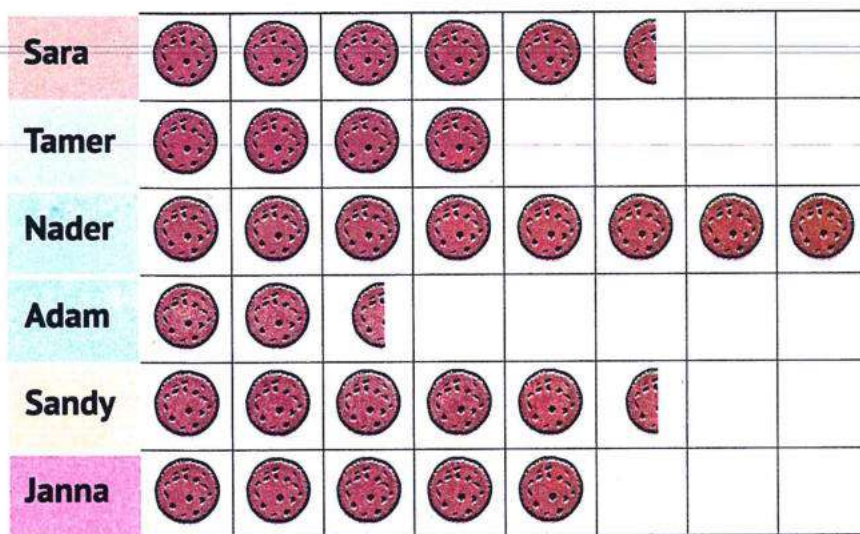
7 Which day had the most number of flowers picked?

.....

8 Which day had the least number of flowers picked?

.....

4 Look at the following pictograph, then answer:



Key:

 = 2 cookies

 = 1 cookie

a Complete the following table:

Name	Sara	Tamer	Nader	Adam	Sandy	Janna
Number of Cookies						

b Use the bar graph, then complete using (<, =, or >):

① Number of cookies that Sara ate  Number of cookies that Tamer ate

② Number of cookies that Nader ate  Number of cookies that Adam ate

③ Number of cookies that Sandy ate  Number of cookies that Janna ate

④ Number of cookies that Tamer ate  Number of cookies that Sandy ate

5 Number of cookies that Adam ate

Number of cookies that Sara ate

6 Number of cookies that Sandy ate

Number of cookies that Sara ate

C Answer the following questions:

1 How many cookies did Tamer eat?

2 How many cookies did Janna eat?

3 How many more cookies did Sara eat than Adam?

4 How many more cookies did Sandy eat than Janna?

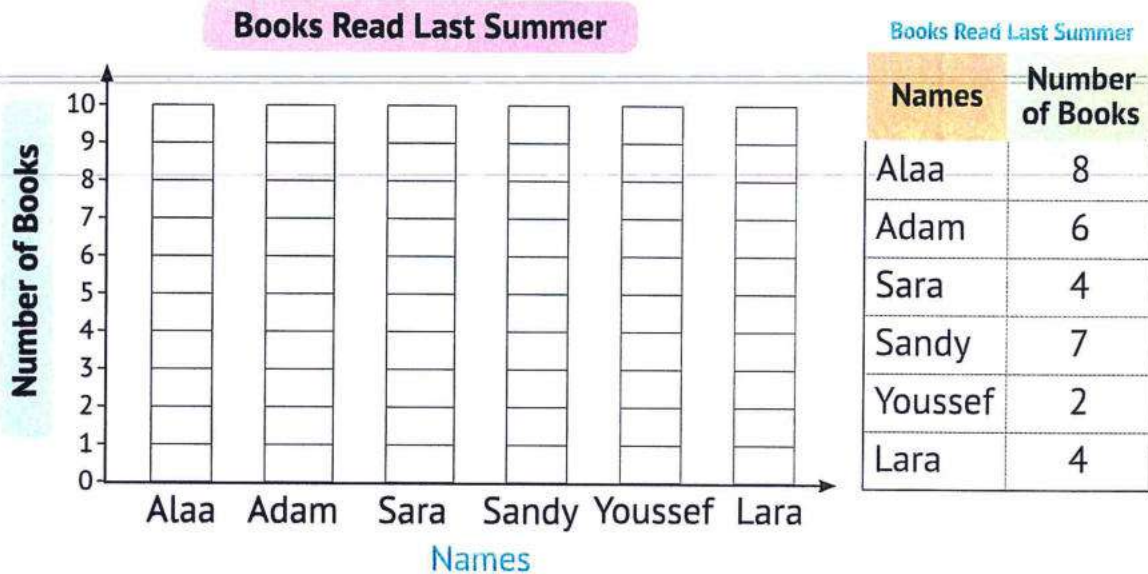
5 How many cookies did Sara, Nader, and Adam eat?

6 How many cookies did Tamer and Sandy eat?

Who ate the greatest number of cookies?

Who ate the least number of cookies?

5 Use the following table to complete the bar graph:



a Use the graph to order the names of students who read the books from the **least** to the **greatest**:

..... , , , , ,

b Use the bar graph, then complete using ($<$, $=$, or $>$):

① Number of books that **Alaa** read

Number of books that **Sandy** read

② Number of books that **Sara** read

Number of books that **Lara** read

③ Number of books that **Sandy** read

Number of books that **Sara** read

④ Number of books that **Youssef** read

Number of books that **Sandy** read

⑤ Number of books that **Lara** read

Number of books that **Alaa** read

C Answer the following questions:

① How many books did Sara read?

② How many books did Alaa read?

③ How many more books did Alaa read than Lara?

④ How many more books did Sara read than Youssef?

⑤ How many books altogether did Sandy, Youssef and Adam read?

⑥ How many books altogether did Lara, Alaa and Sara read?

⑦ Who read the greatest number of books?

⑧ Who read the least number of books?

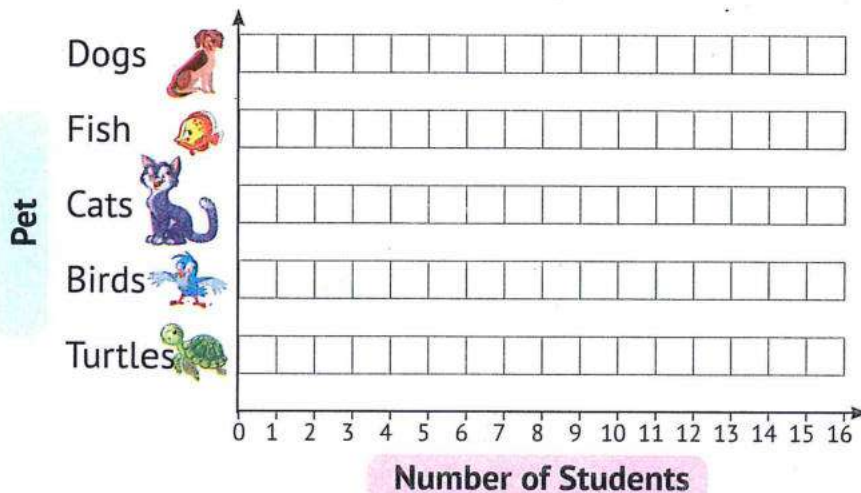
- 6 Convert the same data showing the favorite pets of a number of students from the pictograph into a **bar graph**, then complete the following table:



Key:

♥ = 2 students

♥ = 1 student



Pet	Number of Students
Dogs	
Fish	
Cats	
Birds	
Turtles	

- a Use the bar graph: complete using (<, =, or >):

① Number of students who like **dogs**

Number of students who like **birds**

② Number of students who like **fish**

Number of students who like **turtles**



③ Number of students who like **cats**



Number of students who like **dogs**



④ Number of students who like **birds**



Number of students who like **fish**

b Answer the following questions:

① How many students like **fish**?

.....

② How many students like **birds**?

.....

③ How many more students like **cats** than **birds**?

.....

④ How many more students like **birds** than **turtles**?

.....

⑤ How many students altogether like **dogs**, **fish**, and **cats**?

.....

⑥ How many students altogether like **cats**, **birds** and **turtles**?

.....

⑦ Which pet is liked the **most**?

.....

⑧ Which pet is liked the **least**?

.....

Worksheet

1

First: Choose the correct answer:

- a The **value** of the digit 6 in 613 is (600 ☐ 60 ☐ 6)
- b 9 Tens = (900 ☐ 90 ☐ 9)
- c The **even** number that comes just **after** 12 is (14 ☐ 8 ☐ 10)
- d The **odd** number **between** 7 and 11 is (8 ☐ 9 ☐ 10)
- e 800 80 Tens (< ☐ = ☐ >)

Second: Complete the following:

- a The number 297 = Ones, 9 Tens, Hundreds.
- b $125 + \dots = 243 + 125$
- c The **greatest** 3-digit number is
- d $10\text{LE} + 10\text{LE} + 10\text{LE} + 10\text{LE} + 10\text{LE} = \dots \text{LE}$
- e 100, 200, 300,, (in the same pattern).

Third: Answer the following:**a** Find the result of each of the following:

- 1 $144 + 456 = \dots$ 2 $829 - 119 = \dots$
- 3 $228 + 212 = \dots$ 4 $500 - 153 = \dots$

b Arrange the following numbers in an ascending order:

105 , 530 , 312 , 560

c There are 553 boys and 335 girls in a school. Find the total number of pupils in that school.

Total number = + = pupils

Lessons 4 - 7

Applications on Arrays

تطبيقات على المصفوفات

Ex.

1 The array is called

rows

3

by

4

columns

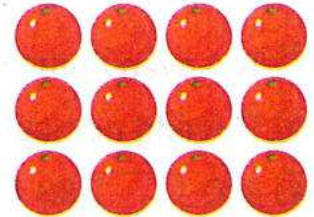
2 Number of oranges =

$$4 + 4 + 4 = 12$$

By using rows

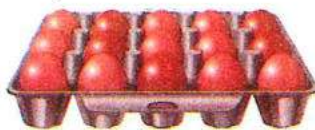
Or $3 + 3 + 3 + 3 = 12$

By using columns



Solve the arrays, then write the addition equations:

a



1 The array is called by

2 Number of eggs =

..... =

Or =

b



1 The array is called by

2 Number of colors =

..... =

Or =

c



1 The array is called by

2 Number of cupcakes =

..... =

d



1 The array is called by

2 Number of squares =

..... =

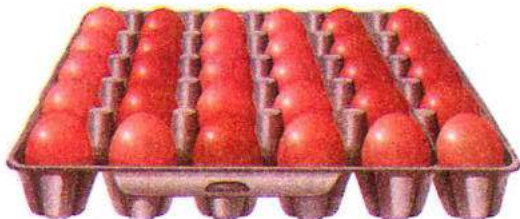
Or =

HOME ACTIVITIES



Solve the array, then write the addition equations:

a



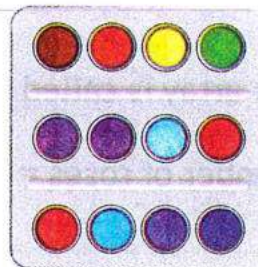
① The array is called by

② Number of eggs =

..... =

Or =

b



① The array is called by

② Number of colors =

..... =

Or =

c



① The array is called by

② Number of cupcakes =

..... =

d



① The array is called by

② Number of chocolates =

..... =

Or =



e



① The array is called by

② Number of roses =

..... =

Or =

f



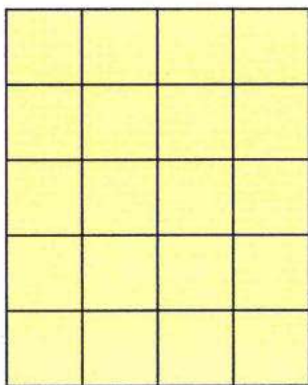
① The array is called by

② Number of books =

..... =

Or =

g



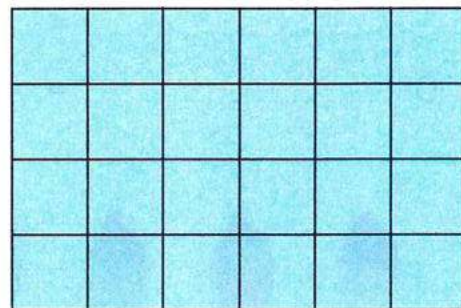
① The array is called by

② Number of squares =

..... =

Or =

h



① The array is called by

② Number of squares =

..... =

Or =

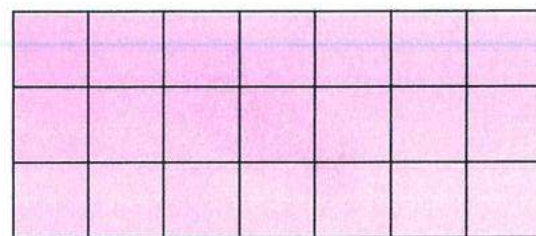
i

① The array is called by

② Number of squares =

..... =

Or =



Worksheet 2

First: Choose the correct answer:

- a to the nearest **10** = 250 (256 ☐ or 245 ☐ or 242)
- b The **smallest** 3-digit number is (100 ☐ or 102 ☐ or 999)
- c $70 + 40 + 3 =$ (743 ☐ or 113 ☐ or 473)
- d 112, 478, and 730 are numbers. (odd ☐ or even ☐)
- e Two hundreds = Tens (2 ☐ or 20 ☐ or 200)

Second: Complete the following:

- a The **value** of (3) in the number **387** is
- b The **odd** number that comes just after 189 is
- c 7 Tens + 8 Hundreds + 2 Ones =
- d $\boxed{50\text{LE}} + \boxed{50\text{LE}} + \boxed{20\text{LE}} + \boxed{1\text{LE}} + \boxed{1\text{LE}} = \boxed{}\text{LE}$
- e 75, 70, 65, 60,,

Third: Answer the following:

a Find the result of each of the following:

$$\begin{array}{r} \text{1} \quad 192 \\ + 288 \\ \hline \end{array}$$

$$\begin{array}{r} \text{2} \quad 95 \\ + 99 \\ \hline \end{array}$$

$$\begin{array}{r} \text{3} \quad 725 \\ - 262 \\ \hline \end{array}$$

$$\begin{array}{r} \text{4} \quad 805 \\ - 96 \\ \hline \end{array}$$

b If $30 + 36 = 66$, then complete the following:

$$\text{1} \quad 66 - 36 = \dots\dots\dots$$

$$\text{2} \quad 66 - \dots\dots\dots = 36$$

$$\text{3} \quad \dots\dots\dots + 30 = 66$$

$$\text{4} \quad \dots\dots\dots + 36 = 66$$

c Hoda has 45 LE, Shima has 86 LE and Sandy has 90 LE. How much money do they have altogether?

They have = + + = LE

Lessons 8 - 10

Applications on Addition and Subtraction

تطبيقات على الجمع والطرح

Number Line Strategy استراتيجية خط الأعداد

Addition:

Counting On:



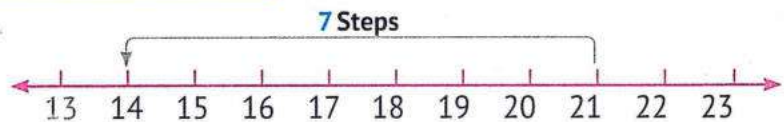
Ex. $16 + 5 = 21$

Start from the **greater** number (**16**) and count **on** for **5** steps.

- نبدأ بالعدد الأكبر (١٦)، ونعد (٥) خطوات للأمام.

Subtraction:

Counting Down:



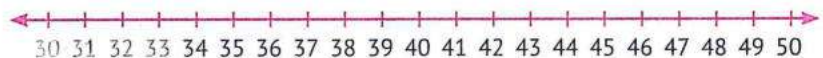
Ex. $21 - 7 = 14$

Start from the **greater** number (**21**) and count **down** for **7** steps.

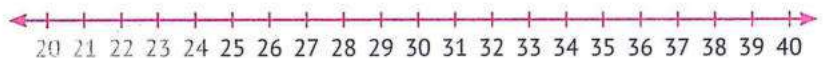
- نبدأ من العدد الأكبر (٢١)، ونعد (٧) خطوات للخلف.

1 Use the **number line** to find the result:

a $45 - 8 = \dots\dots\dots$



b $32 - 5 = \dots\dots\dots$



c $15 + 6 = \dots\dots\dots$



d $59 + 7 = \dots\dots\dots$



Decomposing Strategy إستراتيجية التحليل

Addition:

Ex. $45 + 26$

$40 + 5$ $20 + 6$

$60 + 11 = 71$

$45 = 40 + 5$, $26 = 20 + 6$.

Break up both numbers into Tens and Ones, then add (Ones + Ones) and (Tens + Tens). Then add the **sums**.

- حلل كلا من العددين إلى آحاد وعشرات،
ثم اجمع (الآحاد + الآحاد)، (العشرات + العشرات)،
ثم اجمع النواتج:

So, $45 + 26 = (40 + 20) + (5 + 6)$
 $= 60 + 11 = 71$

Subtraction:

Ex. $63 - 27$

$20 + 7$

$3 + 4$

Break up the subtrahend into Tens and Ones, then subtract.

- حلل المطروح إلى آحاد وعشرات، ثم قسم الآحاد
إلى جزأين: أحدهما مثل آحاد المطروح منه:
 $63 - 27 = 63 - 20 - 3 - 4$
 $= 43 - 3 - 4$
 $= 40 - 4 = 36$

2 Use the decomposing strategy to find:

a $45 + 28 = (40 + \dots) + (20 + \dots) = (40 + 20) + (\dots + \dots)$
 $= \dots + \dots = \dots$

b $245 + 127 = (200 + \dots + \dots) + (100 + \dots + \dots)$
 $= (200 + 100) + (\dots + \dots) + (\dots + \dots)$
 $= \dots + \dots + \dots$

c $76 - 28 = 76 - 20 - 8 = 76 - \dots - \dots = \dots - \dots$
 $= \dots - \dots = \dots$

d $83 - 17 = \dots - \dots - \dots = \dots - \dots - \dots$
 $= \dots - \dots - \dots = \dots - \dots = \dots$

120 Chart Strategy

إستراتيجية استخدام مخطط الأعداد حتى ١٢٠

Addition:

Ex. $45 + 16$

61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50

Add the Ones:

Move 6 squares to the **right**.

Then

add the Tens,
move 1 square **up**.

- اجمع الآحاد وتحرك ٦ مربعات
تجاه اليمين، ثم اجمع العشرات
وتحرك مربعًا واحدًا للأعلى.

So, $45 + 16 = 61$.

Subtraction:

Ex. $62 - 24$

61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40

Subtract the Ones:

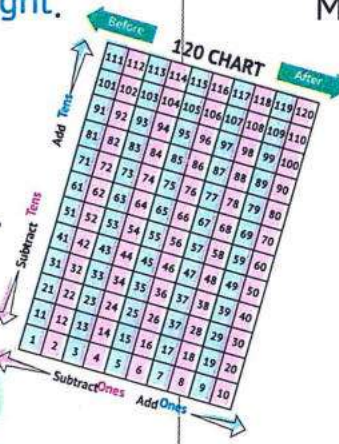
Move 4 squares to the **left**.

Then

subtract the Tens,
move 2 squares **down**.

- اطرح الآحاد وتحرك ٤ مربعات تجاه
اليسار، ثم اطرح العشرات
وتحرك مربعين للأسفل.

So, $62 - 24 = 38$.



3 Use the 120 Chart to find the result:

81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40

a $45 + 28 =$

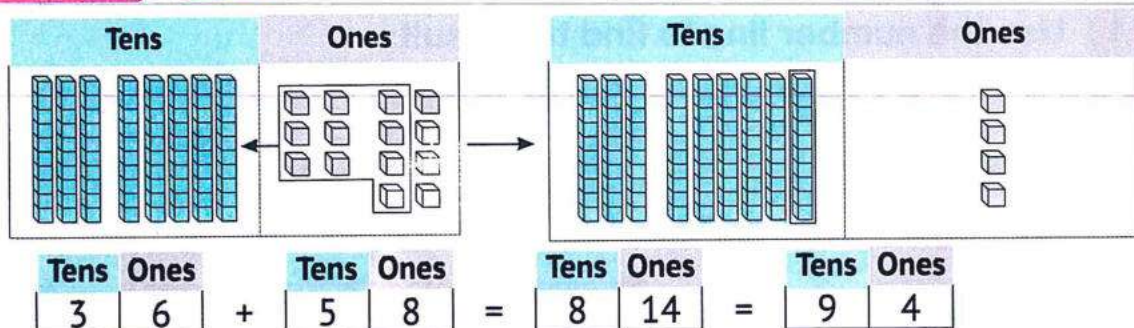
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30

b $73 - 36 =$

Place Value Table Strategy إستراتيجية جدول القيمة المكانية

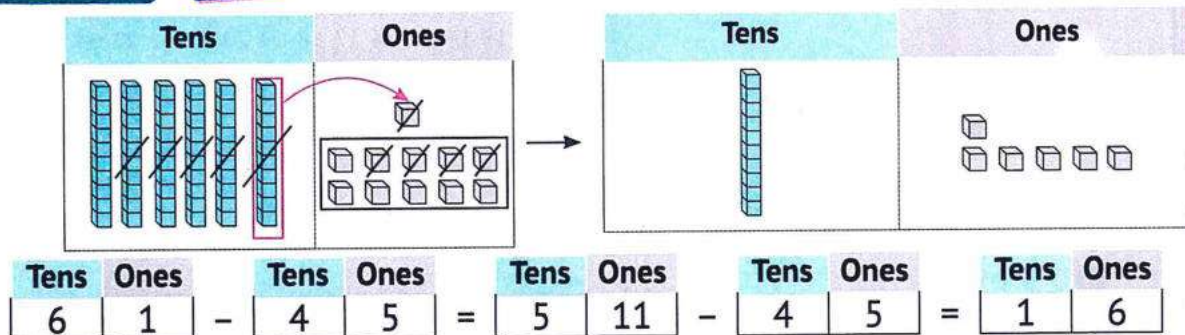
Addition:

EX. $36 + 58$



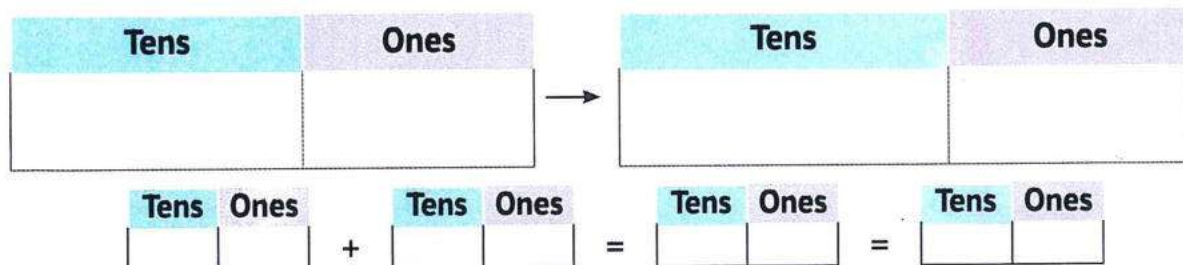
Subtraction:

EX. $61 - 45$

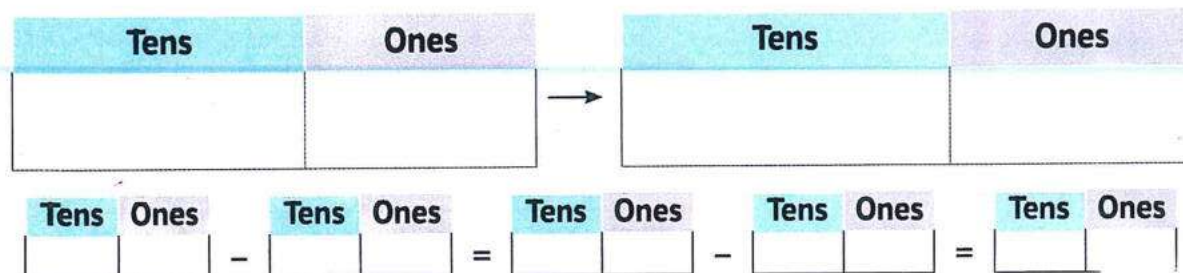


4 Use the **place value table** to find the result:

a $67 + 28 =$



b $71 - 36 =$

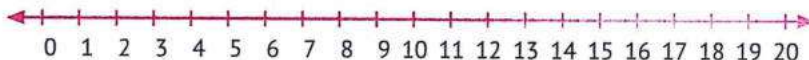




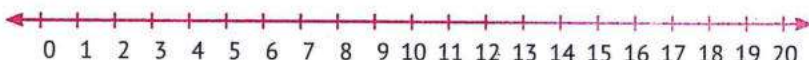
HOME ACTIVITIES

1 Use the **number line** to find the result:

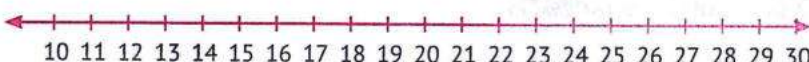
a $8 + 7 = \dots\dots\dots$



b $16 - 8 = \dots\dots\dots$



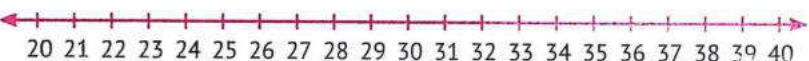
c $14 + 9 = \dots\dots\dots$



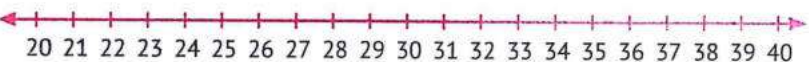
d $37 - 8 = \dots\dots\dots$



e $25 + 8 = \dots\dots\dots$



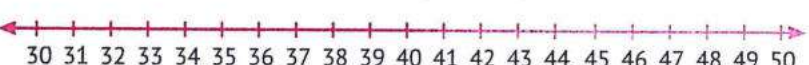
f $36 - 8 = \dots\dots\dots$



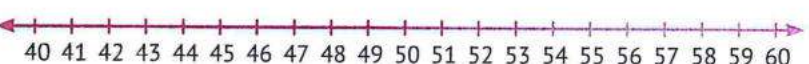
g $32 + 12 = \dots\dots\dots$



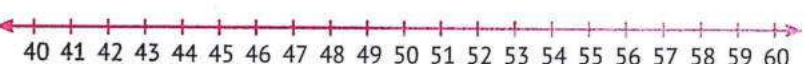
h $43 - 5 = \dots\dots\dots$



i $49 + 5 = \dots\dots\dots$



j $55 - 7 = \dots\dots\dots$



2 Use the decomposing strategy to find:

a $45 + 38 = (40 + 5) + (\text{.....} + \text{.....}) = (40 + 30) + (\text{.....} + \text{.....})$

$= \text{.....} + \text{.....}$

$= \text{.....}$

b $27 + 29 = (\text{.....} + \text{.....}) + (\text{.....} + \text{.....}) = (\text{.....} + \text{.....}) + (\text{.....} + \text{.....})$

$= \text{.....} + \text{.....}$

$= \text{.....}$

c $245 + 215 = (\text{.....} + \text{.....} + \text{.....}) + (\text{.....} + \text{.....} + \text{.....})$

$= (\text{.....} + \text{.....}) + (\text{.....} + \text{.....}) + (\text{.....} + \text{.....})$

$= \text{.....} + \text{.....} + \text{.....}$

$= \text{.....}$

d $367 + 147 = (\text{.....} + \text{.....} + \text{.....}) + (\text{.....} + \text{.....} + \text{.....})$

$= (\text{.....} + \text{.....}) + (\text{.....} + \text{.....}) + (\text{.....} + \text{.....})$

$= \text{.....} + \text{.....} + \text{.....}$

$= \text{.....}$

e $45 - 29 = \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....} - \text{.....} - \text{.....}$

$= \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....}$

$= \text{.....}$

f $62 - 17 = \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....} - \text{.....} - \text{.....}$

$= \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....}$

$= \text{.....}$

g $83 - 49 = \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....} - \text{.....} - \text{.....}$

$= \text{.....} - \text{.....} - \text{.....} = \text{.....} - \text{.....}$

$= \text{.....}$

3 Use the 120 Chart to find the result:

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

a $28 + 37 =$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

b $46 + 16 =$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

c $63 - 27 =$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

d $85 - 29 =$

4 Use the **place value table** to find the result :

a $37 + 15 = \dots\dots\dots$

Tens	Ones

⇒

Tens	Ones

Tens	Ones

+

Tens	Ones

=

Tens	Ones

=

Tens	Ones

b $26 + 49 = \dots\dots\dots$

Tens	Ones

⇒

Tens	Ones

Tens	Ones

+

Tens	Ones

=

Tens	Ones

=

Tens	Ones

c $85 - 38 = \dots\dots\dots$

Tens	Ones

⇒

Tens	Ones

Tens	Ones

-

Tens	Ones

=

Tens	Ones

-

Tens	Ones

=

Tens	Ones

d $42 - 25 = \dots\dots\dots$

Tens	Ones

⇒

Tens	Ones

Tens	Ones

-

Tens	Ones

=

Tens	Ones

-

Tens	Ones

=

Tens	Ones

Worksheet 3

First: Choose the correct answer:

- a** 50 Tens + 32 Ones = (532 or 82 or 820)
- b** 100 more than 245 is (345 or 145 or 255)
- c** The **place value** of the digit 3 in 273 is (Ones or Tens or Hundreds)
- d** The odd number that lies between 215 and 219 is (216 or 217 or 218)
- e** The **front-end estimation** of 755 is (700 or 750 or 760)

Second: Complete the following:

- a** The fraction that represents the shaded part is 
- b** The number 317 to the nearest 10 =
- c** $200 + 50 + 4 =$
- d** If $24 + 36 = 60$, then $60 -$ = 36.
- e** The **place value** of the digit 5 in 574 is

Third: Answer the following:

a Find the result of each of the following:

1	275	2	812	3	$356 + 356 =$
	$+ 267$		$- 122$	4	$700 - 176 =$
					

b Nada had 67 LE She bought a toy for 28 LE How much money does Nada have now?

.....

c Complete using (<, =, or >):

- | | |
|-------------------------------|---|
| 1 $725 - 175$ | <input type="text"/> $427 + 133$ |
| 2 3 Hundreds + 25 Tens | <input type="text"/> 325 |
| 3 123 | <input type="text"/> The smallest 3-different-digit number |

PONY

2026

MATH

Final Revision, Exams & Answers



2nd

Primary
Second Term

By Mohamed Nasreldin

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General Exercises on Chapter 7



First: Choose the correct answer:

1 The **amount** of money in each of the following is:

a

100LE, 1LE, 1LE, 1LE, 5LE, 5LE

113LE or 123LE or 185LE

c

20LE, 10LE, 10LE, 20LE, 10LE, 10LE, 20LE, 10LE, 10LE

660LE or 160LE or 120LE

e

5LE, 5LE, 5LE, 5LE, 200LE, 5LE

225LE or 75LE or 220LE

b

200LE, 20LE, 20LE, 200LE, 1LE, 1LE

222LE or 422LE or 442LE

d

50LE, 50LE, 50LE, 50LE, 50LE

250LE or 50LE or 125LE

f

5LE, 10LE, 20LE, 50LE, 200LE

185LE or 250LE or 285LE

2 $50\text{LE} + 20\text{LE} + 10\text{LE} + 1\text{LE} = \dots\text{LE}$

3 $100\text{LE} + 50\text{LE} + 50\text{LE} + 5\text{LE} = \dots\text{LE}$

4 $523\text{LE} + 267\text{LE} = \dots\text{LE}$

5 $215\text{LE} + \dots\text{LE} = 245\text{LE}$

6 $185\text{LE} - 80\text{LE} = \dots\text{LE}$

7 $600\text{LE} - \dots\text{LE} = 100\text{LE}$

8 $245\text{LE} = \dots$

(531 or 90 or 81)

(155 or 115 or 205)

(780 or 790 or 880)

(460 or 30 or 60)

(265 or 105 or 205)

(400 or 700 or 500)

($\frac{200\text{LE}}{5\text{LE}}$ 1LE or $\frac{100\text{LE}}{100\text{LE}}$ $\frac{20\text{LE}}{20\text{LE}}$ or $\frac{200\text{LE}}{20\text{LE}}$ $\frac{5\text{LE}}{20\text{LE}}$)

General Exercises

Second: Complete the following:

- 1 $20 \text{ LE} + 10 \text{ LE} + 10 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} = \dots \text{ LE}.$
- 2 $425 \text{ LE} = 200 \text{ LE} + 200 \text{ LE} + 10 \text{ LE} + \dots \text{ LE} + \dots \text{ LE}.$
- 3 $753 \text{ LE} = \dots \text{ Hundreds} + \dots \text{ Tens} + \dots \text{ Ones}.$
- 4 $5 \text{ Hundreds} + 15 \text{ Tens} + 25 \text{ Ones} = \dots \text{ LE}.$
- 5 $254 \text{ LE} + 356 \text{ LE} = \dots \text{ LE}.$
- 6 $755 \text{ LE} - 225 \text{ LE} = \dots \text{ LE}.$
- 7 $\dots \text{ LE} + 175 \text{ LE} = 250 \text{ LE}.$
- 8 $300 \text{ LE} + \dots \text{ LE} = 800 \text{ LE}.$
- 9 $\dots \text{ LE} - 520 \text{ LE} = 120 \text{ LE}.$
- 10 $505 \text{ LE} - \dots \text{ LE} = 205 \text{ LE}.$
- 11 Find the **amount** of money:



a

100 LE	20 LE
100 LE	1 LE
100 LE	1 LE

..... LE

b

200 LE	50 LE	20 LE
100 LE	20 LE	20 LE

..... LE

c

10 LE	10 LE	10 LE
10 LE	10 LE	10 LE
10 LE	10 LE	10 LE

..... LE

d

50 LE	1 LE	1 LE
50 LE	1 LE	1 LE
50 LE	1 LE	1 LE

..... LE

Third: Answer the following:

1 Find the **amount** of money:

a

100 LE	100 LE	100 LE
50 LE	50 LE	50 LE
20 LE	20 LE	
1 LE	1 LE	1 LE
Hundreds	Tens	Ones
.....		
..... + + = LE.		

b

100 LE	100 LE	
50 LE	50 LE	50 LE
5 LE	1 LE	1 LE
	1 LE	1 LE
Hundreds	Tens	Ones
.....		
..... + + = LE.		

c

200 LE		
10 LE	10 LE	10 LE
10 LE	10 LE	10 LE
5 LE	5 LE	5 LE
Hundreds	Tens	Ones
.....		
..... + + = LE.		

d

200 LE	200 LE	200 LE
1 LE	1 LE	1 LE
1 LE	1 LE	1 LE
	1 LE	1 LE
Hundreds	Tens	Ones
.....		
..... + + = LE.		

2 Draw according to the **amount** of money:

a

Hundreds	Tens	Ones
.....		
96 LE		

b

Hundreds	Tens	Ones
.....		
407 LE		

General Exercises

c

Hundreds	Tens	Ones
.....		
340 LE		

d

Hundreds	Tens	Ones
.....		
650 LE		

e

Hundreds	Tens	Ones
.....		
243 LE		

f

Hundreds	Tens	Ones
.....		
159 LE		

3 Use your **banknotes** to create each amount shown below. Draw the combination of banknotes you used to **purchase** each item.

a



245 LE

b



87 LE

c



263 LE

d



214 LE

4 Complete using (<, =, or >):

a

100LE	100LE	50LE	5LE
100LE	100LE	20LE	1LE

b

757LE

200LE	50LE	10LE	10LE
200LE	50LE	50LE	5LE

c

50LE	50LE	50LE	1LE
50LE	50LE	1LE	1LE

d

238LE

200LE	50LE	10LE	1LE
200LE		10LE	1LE

5 Find the result:

a

Amount	Hundreds	Tens	Ones
	100LE	10LE	1LE
238LE			
271LE			
Sum			

b

Amount	Hundreds	Tens	Ones
	100LE	10LE	1LE
128LE			
237LE			
Sum			

c

Amount	Hundreds	Tens	Ones
	100LE	10LE	1LE
127LE			
373LE			
Sum			

d

Amount	Hundreds	Tens	Ones
	100LE	10LE	1LE
198LE			
267LE			
Sum			

General Exercises

e

Amount	Hundreds (100 LE)	Tens (10 LE)	Ones (1 LE)
764 LE			
129 LE			
Difference			

f

Amount	Hundreds (100 LE)	Tens (10 LE)	Ones (1 LE)
409 LE			
127 LE			
Difference			

g

Amount	Hundreds (100 LE)	Tens (10 LE)	Ones (1 LE)
467 LE			
198 LE			
Difference			

h

Amount	Hundreds (100 LE)	Tens (10 LE)	Ones (1 LE)
500 LE			
327 LE			
Difference			

6 Solve the following story problems:

- a Nada has 45 LE and her sister has 28 LE.

How much money do they have **altogether**?

.....

- b Mariam bought a ball for 67 LE and a toy for 28 LE.

How much money did Mariam **pay**?

.....

- c Salah's father gave him 89 LE for his birthday. He bought a T-shirt for 67 LE.

How many pounds does Salah have **left**?

.....

- d Islam saved 35 LE in one month. The next month, he saved 64 LE. Then, he bought a pair of shoes for 76 LE.

How much money does Islam have **left**?

.....

.....

General Exercises on Chapter 8



First: Choose the correct answer:

1 45, 21, 33, and 9 are numbers. (odd ☒ or even)

2 28, 60, 46, and 8 are numbers. (odd ☒ or even)

3 Any **odd** number + 3 = an number. (odd ☒ or even)

4 Any **odd** number + 2 = an number. (odd ☒ or even)

5 Any **even** number + 1 = an number. (odd ☒ or even)

6 The **even** number that comes right **after** 298 is
(299 ☒ or 200 ☒ or 300)

7 The **odd** number that comes right **after** 107 is
(105 ☒ or 109 ☒ or 108)

8 The **even** number that comes right **before** 98 is
(99 ☒ or 97 ☒ or 96)

9 The **odd** number that comes right **before** 61 is
(59 ☒ or 60 ☒ or 58)

10 The **smallest even** number formed from 3 digits is
(100 ☒ or 998 ☒ or 10)

11 The **greatest odd** number formed from 3 digits is
(102 ☒ or 100 ☒ or 999)

12 The **smallest odd** number formed from 2 digits is
(12 ☒ or 11 ☒ or 10)

13 The **greatest even** number formed from 2 digits is
(98 ☒ or 10 ☒ or 99)

General Exercises

Second: Complete the following:

- 1 The sum of two **odd** numbers is an number.
- 2 The sum of two **even** numbers is an number.
- 3 The sum of an **odd** number and an **even** number is an number.
- 4 Any **odd** number + 1 = an number.
- 5 Any **even** number + 1 = an number.
- 6 Any **odd** number + 2 = an number.
- 7 Any **even** number + 2 = an number.
- 8 The **odd** number that comes right **after** 259 is
- 9 The **even** number that comes right **after** 78 is
- 10 The **odd** number that comes right **before** 59 is
- 11 The **even** number that comes right **before** 20 is
- 12 The **smallest odd** number formed from 3 digits is
- 13 The **greatest even** number formed from 3 digits is

Third: Answer the following:

1 Complete the following patterns:

a 30 , 33 , 36 , 39 , → Rule:

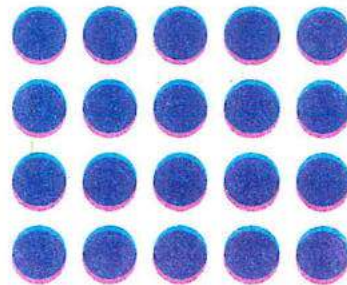
b 45 , 50 , 55 , 60 , → Rule:

c 74 , 71 , 68 , 65 , → Rule:

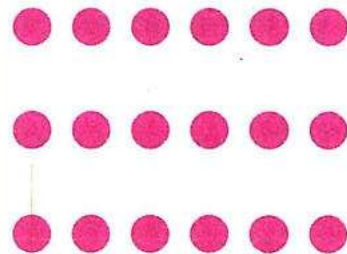
d 90 , 80 , 70 , 60 , → Rule:

2 Complete the following according to the array:

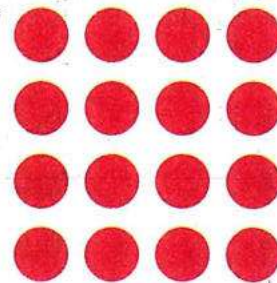
- a**
- 1 The number of rows is rows.
 - 2 The number of columns is columns.
 - 3 The array is called by
 - 4 The number of circles is:
..... =
or =



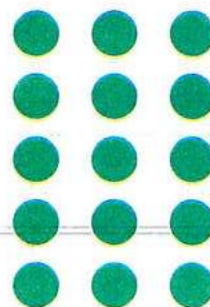
- b**
- 1 The number of rows is rows.
 - 2 The number of columns is columns.
 - 3 The array is called by
 - 4 The number of circles is:
..... =
or =



- c**
- 1 The number of rows is rows.
 - 2 The number of columns is columns.
 - 3 The array is called by
 - 4 The number of circles is:
..... =



- d**
- 1 The number of rows is rows.
 - 2 The number of columns is columns.
 - 3 The array is called by
 - 4 The number of circles is:
..... =
or =





General Exercises on Chapter 9

First: Choose the correct answer:

- 1 The estimation of 25 by **front-end estimation** is
(30 ☐ or 26 ☐ or 20)
- 2 The estimation of 82 by **front-end estimation** is
(80 ☐ or 85 ☐ or 90)
- 3 The estimation of 192 by **front-end estimation** is
(100 ☐ or 110 ☐ or 200)
- 4 The estimation of 700 by **front-end estimation** is
(700 ☐ or 600 ☐ or 750)
- 5 75 rounded to the nearest **10** is (70 ☐ or 80 ☐ or 100)
- 6 183 rounded to the nearest **10** is (180 ☐ or 190 ☐ or 200)
- 7 98 rounded to the nearest **10** is (90 ☐ or 100 ☐ or 95)
- 8 48 rounded to the nearest **100** is (50 ☐ or 0 ☐ or 100)
- 9 637 rounded to the nearest **100** is (640 ☐ or 700 ☐ or 600)
- 10 837 rounded to the nearest **100** is (800 ☐ or 840 ☐ or 900)
- 11 rounded to the nearest **10** is 70. (75 ☐ or 64 ☐ or 68)
- 12 rounded to the nearest **10** is 90. (99 ☐ or 94 ☐ or 84)
- 13 rounded to the nearest **100** is 500. (519 ☐ or 591 ☐ or 599)
- 14 rounded to the nearest **100** is 100. (46 ☐ or 95 ☐ or 190)
- 15 The sum of (45 + 38) rounded to the nearest **10** is
(83 ☐ or 80 ☐ or 90)

Second: Complete the following:

- 1 The estimation of 68 by **front-end estimation** is
- 2 The estimation of 129 by **front-end estimation** is
- 3 67 rounded to the nearest **10** is

4 195 rounded to the nearest 10 is

5 86 rounded to the nearest 100 is

6 629 rounded to the nearest 100 is

7 $75 + 28 =$ (Rounded to the nearest 10 is)

8 $47 + 29 =$ (Rounded to the nearest 10 is)

9 $135 + 318 =$ (Rounded to the nearest 100 is)

10 $697 + 86 =$ (Rounded to the nearest 100 is)

Third: Answer the following:

1 Complete the following table:

Find the **sum** of each problem, then **estimate** the result:

Problem	Front-End Estimation	Rounded to the Nearest 10	Rounded to the Nearest 100
a $65 + 29 =$			
b $49 + 28 =$			
c $217 + 124 =$			
d $147 + 237 =$			

2 Find the sum:

a 48

$+ 25$

.....

b 63

$+ 39$

.....

c 135

$+ 248$

.....

d 246

$+ 168$

.....

e $29 + 37 =$

f $85 + 67 =$

g $825 + 94 =$

h $367 + 233 =$

General Exercises

3 Draw the Hundreds' large squares, the Tens' sticks, and the Ones' small squares to represent each addend, then find the sum:

a $67 + 18 = \dots\dots\dots$

Tens		Ones			Tens		Ones			Tens		Ones			Tens		Ones	
				+					=					=				

b $245 + 318 = \dots\dots\dots$

Hundreds Tens Ones				Hundreds Tens Ones				Hundreds Tens Ones				Hundreds Tens Ones		
			+				=				=			

c $167 + 182 = \dots\dots\dots$

Hundreds Tens Ones				Hundreds Tens Ones				Hundreds Tens Ones				Hundreds Tens Ones		
			+				=				=			

4 Find the sum, then estimate/round each number as shown:

a $\begin{array}{r} 75 \\ + 18 \\ \hline \end{array}$ $\rightarrow \dots\dots\dots$

$\begin{array}{r} + 18 \\ \hline \end{array}$ $\rightarrow \begin{array}{r} + \\ \hline \end{array}$

b $\begin{array}{r} 125 \\ + 286 \\ \hline \end{array}$ $\rightarrow \dots\dots\dots$

$\begin{array}{r} + 286 \\ \hline \end{array}$ $\rightarrow \begin{array}{r} + \\ \hline \end{array}$

(By Front-End Estimation)

(By Front-End Estimation)

c $\begin{array}{r} 89 \\ + 24 \\ \hline \end{array}$ $\rightarrow \dots\dots\dots$

$\begin{array}{r} + 24 \\ \hline \end{array}$ $\rightarrow \begin{array}{r} + \\ \hline \end{array}$

d $\begin{array}{r} 386 \\ + 148 \\ \hline \end{array}$ $\rightarrow \dots\dots\dots$

$\begin{array}{r} + 148 \\ \hline \end{array}$ $\rightarrow \begin{array}{r} + \\ \hline \end{array}$

(Rounded to the nearest 10)

(Rounded to the nearest 100)

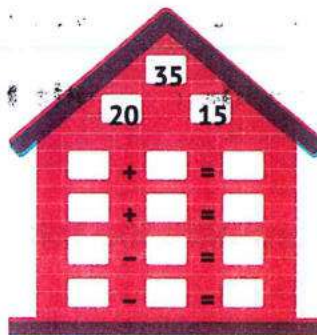
General Exercises on Chapter 10



1 Complete the following **fact families**:

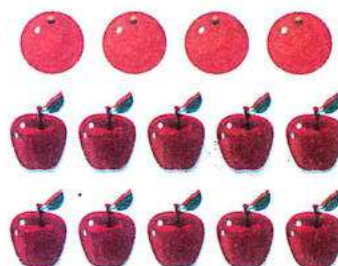
a

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$



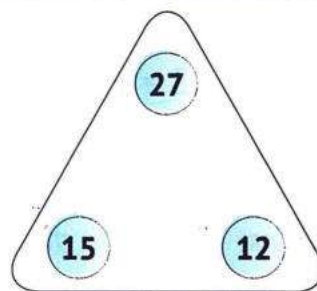
b

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$



c

$$\begin{array}{l} \dots + \dots = \dots \\ \dots + \dots = \dots \\ \dots - \dots = \dots \\ \dots - \dots = \dots \end{array}$$



2 Use the number lines below to **subtract**:

a $16 - 8 = \dots$

b $23 - 6 = \dots$

c $35 - 8 = \dots$



General Exercises

3 Decompose each number in 3 different ways:

a

46

..... +

..... + +

..... + + +

b

73

..... +

..... + +

..... + + +

4 Complete the following:

a

$$36 = 10 + \dots$$

$$36 = 20 + \dots$$

$$36 = 30 + \dots$$

b

$$85 = 10 + \dots$$

$$85 = 30 + \dots$$

$$85 = 50 + \dots$$

5 Subtract:

a

$$43 - 10 = \dots$$

$$43 - 20 = \dots$$

$$43 - 23 = \dots$$

$$43 - 28 = \dots$$

b

$$756 - 210 = \dots$$

$$756 - 220 = \dots$$

$$756 - 226 = \dots$$

$$756 - 229 = \dots$$

6 Draw the **Hundreds' large squares**, the **Tens' sticks**, and the **Ones' small squares** to subtract using the **regrouping strategy**:

a

Tens

Ones

4 6

- 2 5

b

Tens

Ones

7 3

- 5 8

c $825 - 123 = \dots\dots\dots$

d $623 - 459 = \dots\dots\dots$

Hundreds	Tens	Ones

Hundreds	Tens	Ones

7 Find the result:

a 51

$- 26$

.....

b 218

$- 85$

.....

c 870

$- 281$

.....

d 407

$- 48$

.....

e $87 - 87 = \dots\dots\dots$

f $203 - 57 = \dots\dots\dots$

g $200 - 4 = \dots\dots\dots$

h $407 - 270 = \dots\dots\dots$

8 Complete the following table:

Find the **difference** of each problem, then **estimate** the result:

Problem	Front-End Estimation	Rounded to the Nearest 10	Rounded to the Nearest 100
a $45 - 29 = \dots\dots\dots$			
b $84 - 27 = \dots\dots\dots$			
c $725 - 214 = \dots\dots\dots$			
d $427 - 137 = \dots\dots\dots$			



9 Answer the following:



- a** In the class, there are 32 girls and 25 boys.

How many more girls are there than boys?

.....

.....



- b** Islam has 356 LE and Nadia has 138 LE.

How much money do they have altogether?

.....

.....



- c** Mohamed had 756 LE. He bought a shirt for 245 LE, and shoes for 345 LE. Find the remaining money with him.

.....

.....

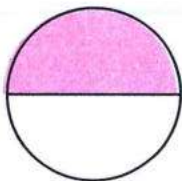


General Exercises on Chapter 11



First: Choose the fraction representing the **shaded** part:

a



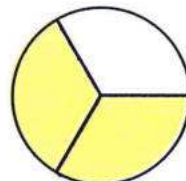
($\frac{1}{2}$ or $\frac{1}{3}$ or $\frac{1}{4}$)

b



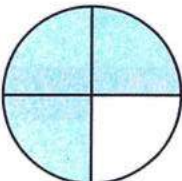
($\frac{1}{3}$ or $\frac{3}{4}$ or $\frac{1}{4}$)

c



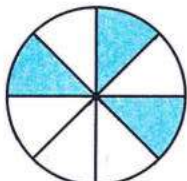
($\frac{1}{3}$ or $\frac{2}{3}$ or $\frac{2}{2}$)

d



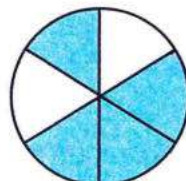
($\frac{1}{3}$ or $\frac{1}{4}$ or $\frac{3}{4}$)

e



($\frac{3}{5}$ or $\frac{3}{8}$ or $\frac{5}{8}$)

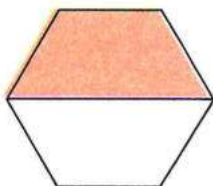
f



($\frac{2}{4}$ or $\frac{2}{6}$ or $\frac{4}{6}$)

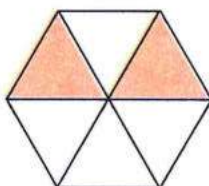
Second: Write the fraction that represents the **shaded** part:

a



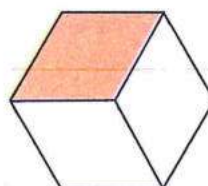
.....
.....

b



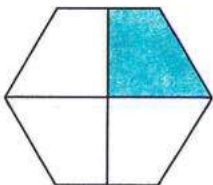
.....
.....

c



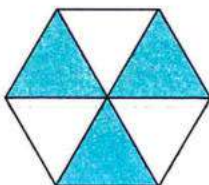
.....
.....

d



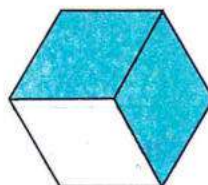
.....
.....

e



.....
.....

f



.....
.....



General Exercises

Third: Answer the following:

1 Write the fraction of the shaded part:

a $\frac{\quad}{\quad}$



b $\frac{\quad}{\quad}$



c $\frac{\quad}{\quad}$



d $\frac{\quad}{\quad}$



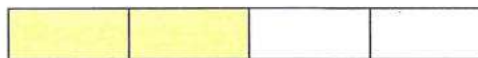
e $\frac{\quad}{\quad}$



f $\frac{\quad}{\quad}$



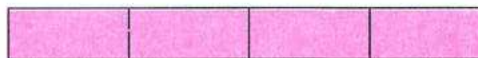
g $\frac{\quad}{\quad}$



h $\frac{\quad}{\quad}$



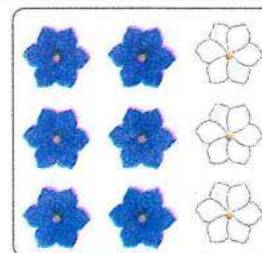
i $\frac{\quad}{\quad}$



2 Complete:

a The fraction of the blue flowers = $\frac{\quad}{\quad}$

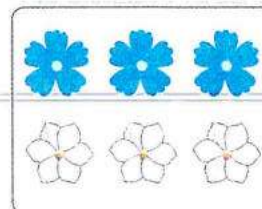
b The fraction of the white flowers = $\frac{\quad}{\quad}$



3 Complete:

a The fraction of the blue flowers = $\frac{\quad}{\quad}$

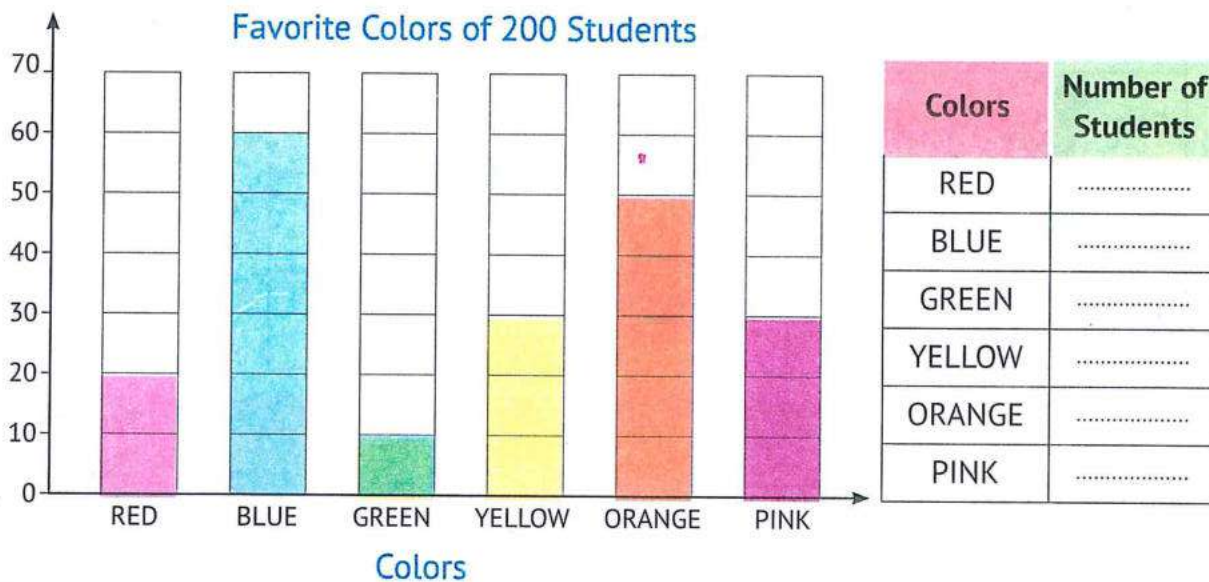
b The fraction of the white flowers = $\frac{\quad}{\quad}$



General Exercises on Chapter 12



- 1 Look at the **favorite colors** graph, and then answer the questions about the data:



- a Use the graph to complete using (<, =, or >):

Number of students who like

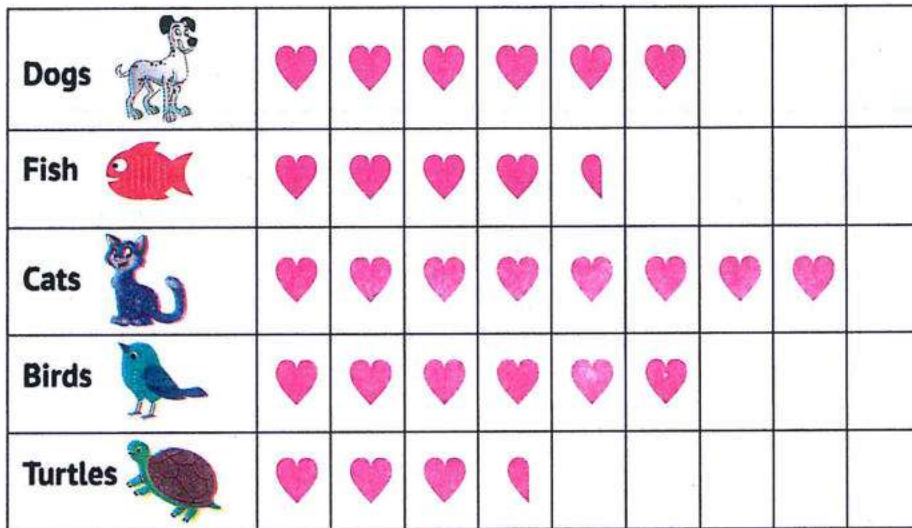
- | | |
|-------------------------------------|------------------------------------|
| 1 Red <input type="text"/> Green | 2 Blue <input type="text"/> Yellow |
| 3 Green <input type="text"/> Orange | 4 Yellow <input type="text"/> Pink |
| 5 Orange <input type="text"/> Blue | 6 Pink <input type="text"/> Red |

- b Answer the following questions:

- 1 How many students like **red** the most?
- 2 How many students like **pink** or **blue**?
- 3 How many more students like **yellow** than **green**?
- 4 Which color is liked the **most**?
- 5 Which color is liked the **least**?

General Exercises

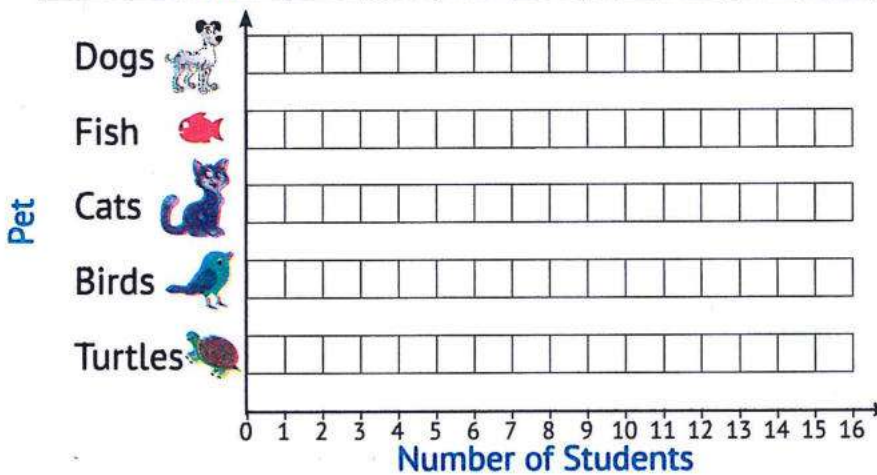
2 Convert the data of the favorite pet of some students from the pictograph into a bar graph, then complete the table and answer the questions:



Key:

 = 2 students

 = 1 student



Pet	Number of Students
Dogs	
Fish	
Cats	
Birds	
Turtles	

a Use the graph to complete using (<, = or >):

Number of students who like

- 1** Dogs Birds **2** Cats Dogs
3 Fish Turtles **4** Birds Fish

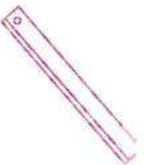
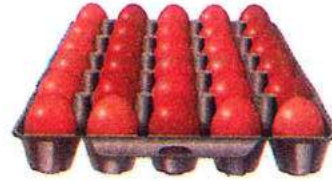
b Answer the following questions:

- 1** How many students like **fish** the most?
2 How many more students like **cats** than **birds**?
3 Which pet is liked the **most**?
4 Which pet is liked the **least**?

3 Solve the arrays, then write the addition equations:

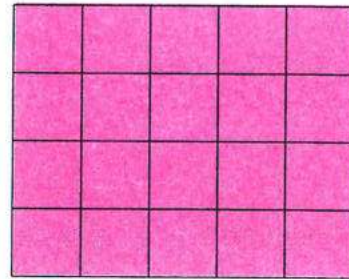
- a** ① The number of rows is rows.
 ② The number of columns is columns.
 ③ The array is called by
 ④ The number of eggs is:

..... =
 or =



- b** ① The number of rows is rows.
 ② The number of columns is columns.
 ③ The array is called by
 ④ The number of squares is:

..... =
 or =



- c** ① The number of rows is rows.
 ② The number of columns is columns.
 ③ The array is called by
 ④ The number of cars is:

..... =
 or =

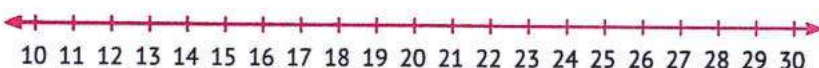


4 Use the **number lines** below to find the result:

a $35 + 8 =$



b $22 - 9 =$



General Exercises

5 Use the **decomposing strategy** to find:

a $24 + 72 = (\dots + \dots) + (\dots + \dots) = (\dots + \dots) + (\dots + \dots)$

$= \dots + \dots = \dots$

b $224 + 187 = (\dots + \dots + \dots) + (\dots + \dots + \dots)$

$= (\dots + \dots) + (\dots + \dots) + (\dots + \dots)$

$= \dots + \dots + \dots = \dots$

c $82 - 25 = 82 - \dots - \dots = \dots - \dots - \dots - \dots$

$= \dots - \dots - \dots = \dots - \dots = \dots$

d $73 - 54 = \dots - \dots - \dots = \dots - \dots - \dots - \dots$

$= \dots - \dots - \dots = \dots - \dots = \dots$

6 Use the **place value table** to find the result:

a $27 + 26 = \dots$

Tens		Ones			Tens		Ones	
				=				

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		+			=			=		

b $63 - 17 = \dots$

Tens		Ones			Tens		Ones	
				=				

Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones		Tens	Ones
		-			=			-			=		

MODELS

Model 1



1 Choose the correct answer:

- a The **value** of 5 in 257 is (5 or 50 or 500)
 b $10 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} =$ (25 or 155 or 20)
 c The **estimation** of 257 is (250 or 200 or 300)
 d 364 rounded to the nearest 10 is (360 or 400 or 370)

2 Complete the following:

- a The **sum** of two **even** numbers is an number.
 b The fraction of the **shaded** part  is
 c 23, 25, 27, 29, Rule: (.....)
 d If $25 + 36 = 61$, then $61 - 36 =$

3 Find the result:

- a
$$\begin{array}{r} 235 \\ + 173 \\ \hline \end{array}$$

 b
$$\begin{array}{r} 542 \\ - 208 \\ \hline \end{array}$$

 c $214 + 127 =$
 d $500 - 175 =$

4 Arrange the following numbers in an **ascending** order:

425 , 524 , 245 , 452 , 254

5 Tamer bought a book for 75 LE and a football for 125 LE.

How much money did he pay?

Model 2

1 Choose the correct answer:

- a The **greatest** 3-digit number is (999 or 100 or 987)
 b $3 + 50 + 200 =$ (352 or 523 or 253)
 c 25, 37 and 51 are numbers. (odd or even)
 d 20 Tens = Hundreds. (2 or 20 or 200)

2 Complete the following:

- a The **place value** of the digit 4 in 473 is
 b The number that comes right **after** 246 is
 c 453 rounded to the nearest **100** is
 d $256 + \dots = 147 + 256$

3 Find the result:

- a
$$\begin{array}{r} 289 \\ + 11 \\ \hline \end{array}$$
 b
$$\begin{array}{r} 670 \\ - 139 \\ \hline \end{array}$$
 c $200 + 50 + 7 =$
 d $602 - 185 =$

4 Arrange the following numbers in a **descending** order:

212 , 222 , 20 , 220 , 200

5 Draw according to the **amount** of money:

Hundreds	Tens	Ones
.....		
650 LE		

Model 3

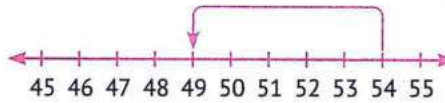
1 Choose the correct answer:

- a** 2 Tens + 5 Ones + 7 Hundreds = (257 or 752 or 725)
- b** The **odd** number **between** 5 and 9 is (6 or 7 or 8)
- c** The **smallest** 3-digit number formed from 2 and 7 is (27 or 227 or 772)
- d** 476 rounded to the nearest 10 is (470 or 500 or 480)

2 Complete the following:

- a** The fraction of the **shaded** part  is
- b** The **odd** number that comes right **before** 21 is
- c** If $86 - 25 = 61$, then $61 + 25 =$
- d** From the opposite number line:

$54 - \dots = \dots$



3 Complete using (<, =, or >):

- a** $256 + 124$ 380 **b** $30 + 0 + 5$ 305
- c** $902 - 20$ 922 **d** 5 Hundreds 5 Tens

4 **a** Use your **banknotes** to create the amount shown below. Draw the combination of banknotes you use to **purchase** the item.



Models

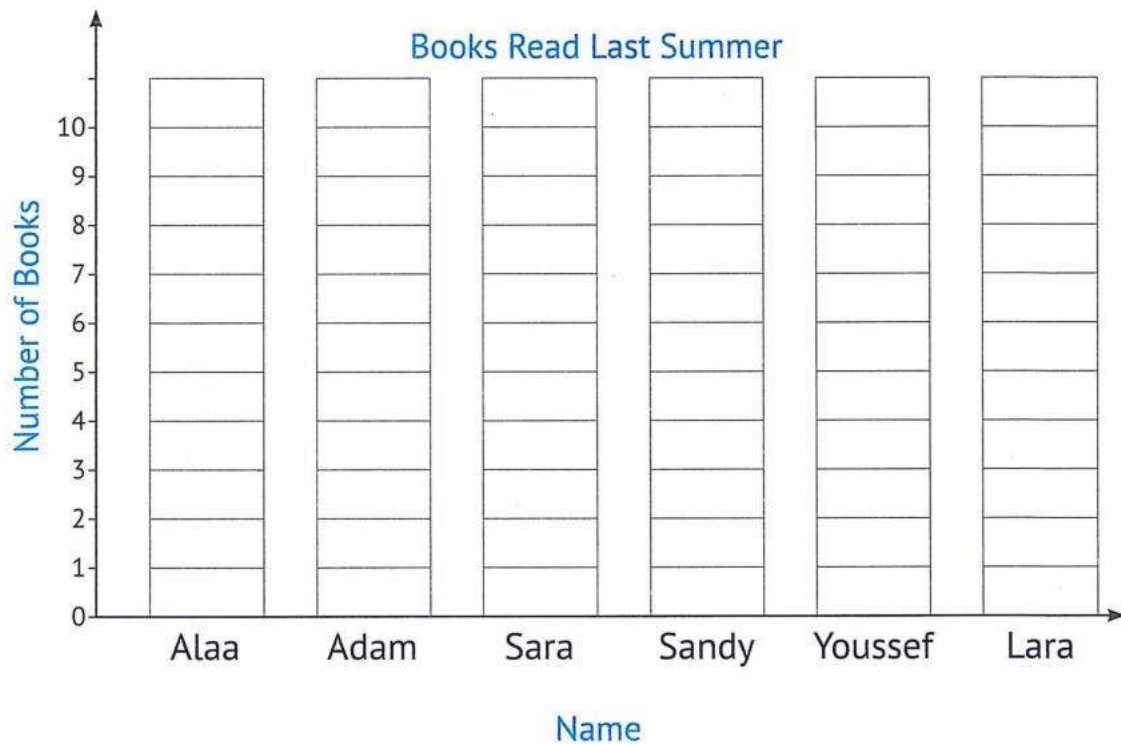
b Write the amount of money:

Hundreds	Tens	Ones
.....		
..... + + =		

LE 100	LE 100	LE 20	LE 20
LE 50	LE 50	LE 1	LE 1

5 Use the following table to complete the graph, then answer the questions below:

Name	Alaa	Adam	Sara	Sandy	Youssef	Lara
Number of Books	8	6	4	7	2	4



- How many books did **Sara** read?
- How many books did **Alaa** and **Youssef** read?
- How many more books did **Sandy** read than **Lara**?
- Who read the **greatest** number of books?

Model 4

1 Choose the correct answer:

- a Nine hundred fifty = (950 or 915 or 905)
 b $56 + 45 < \dots\dots\dots$ (100 or 99 or 110)
 c 7 Ones + 8 Hundreds = (870 or 807 or 708)
 d - 247 = 123 (124 or 370 or 360)

2 Complete the following:

- a $782 = \dots\dots\dots$ Ones, Hundreds, Tens.
 b The **largest even** number formed from 3 digits is
 c $5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} + 5 \text{ LE} = \dots\dots\dots \text{LE}$.
 d $182 + 245 = \dots\dots\dots$, and when rounded to the nearest **100** is

3 Arrange the following numbers in a **descending** order:

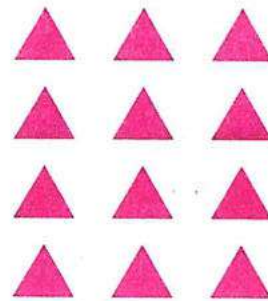
567 , 70 Tens , 200 , 145 , 415

..... , , , ,

4 Complete the following according to the **array**:

- a The number of rows is rows.
 b The number of columns is columns.
 c The array is called by
 d The number of triangles is:

..... =
 or =



5 Nada had **67 LE**. She bought a toy for **28 LE**.

How much money does Nada have now?

.....

Model 5

1 Choose the correct answer:

- a** 50 Tens + 32 Ones = (532 or 82 or 820)
- b** 100 more than 245 is (345 or 145 or 255)
- c** The place value of the digit 3 in 273 is
(Ones or Tens or Hundreds)
- d** The odd number that lies between 215 and 219 is
(216 or 217 or 218)

2 Complete the following:

- a** The fraction that represents the shaded part is 
- b** 317 rounded to the nearest 10 is
- c** $200 + 50 + 4 =$
- d** If $24 + 36 = 60$, then $60 -$ = 36.

3 Find the result:

- a**
$$\begin{array}{r} 275 \\ + 226 \\ \hline \end{array}$$

- b**
$$\begin{array}{r} 812 \\ - 172 \\ \hline \end{array}$$

- c** $155 + 155 =$
- d** $703 - 196 =$

4 Arrange the following numbers in an ascending order:

3 Hundreds , 330 , 33 , 313

..... , , ,

5 Sara has 245 pounds, and Mona has 375 pounds.

How much more money does Mona have than Sara?

.....

Model 6

1 Choose the correct answer:

a Seven hundred seventy-one = (717 or 777 or 771)

b The **largest** 3-digit number formed from the digits 3 and 8 is
(338 or 830 or 883)

c The **odd** number that comes right **after** 299 is
(300 or 301 or 297)

d The **front-end estimation** of 755 is (700 or 750 or 760)

2 Complete the following:

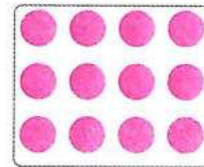
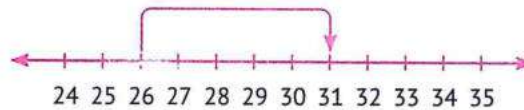
a The opposite array is by

b The **place value** of the digit 5 in 574 is

c 345 rounded to the nearest 10 is

d From the opposite **number line**:

..... + =



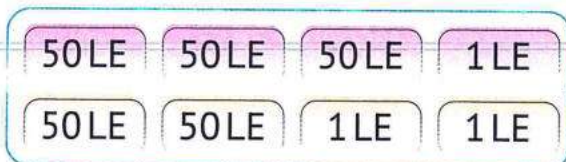
3 Complete using (<, =, or >):

a $725 - 175$ $427 + 133$

b 3 Hundreds + 25 Tens 305

c 123 The smallest 3-different-digit number

d



Models

4 Find the result:

a	Amount	Hundreds 100 LE	Tens 10 LE	Ones 1 LE
	428 LE	.....	.....	.....
	273 LE	.....	.....	.....
	Sum	.....	.....	.....

b	Amount	Hundreds 100 LE	Tens 10 LE	Ones 1 LE
	719 LE	.....	.....	.....
	124 LE	.....	.....	.....
	Difference	.....	.....	.....

5 Look at the following pictograph of the number of cookies eaten by some students, and then answer:

Sara									
Tamer									
Nader									
Adam									
Sandy									
Jana									

Key:

 = 2 cookies
 = 1 cookie

a Complete the following table:

Name	Sara	Tamer	Nader	Adam	Sandy	Jana
Number of Cookies						

b Answer the following questions:

- How many cookies did Jana eat?
- How many cookies did Sara, Adam and Nader eat?
- Who ate the most number of cookies?
- Who ate the least number of cookies?

Model 7

1 Choose the correct answer:

- a 100 less than 745 is (645 or 845 or 635)
 b The value of the digit 8 in 387 is (8 or 80 or 800)
 c $700 + 6 + 20 =$ (762 or 726 or 627)
 d 50 Tens = Hundreds. (5 or 50 or 500)

2 Complete the following:

- a $95 \text{ LE} = 50 \text{ LE} + 20 \text{ LE} + \dots \text{ LE} + \dots \text{ LE}.$
 b The sum of two odd numbers is an number.
 c The estimation of 756 is
 d The smallest 2-digit even number is

3 Find the result:

- a
$$\begin{array}{r} 122 \\ + 288 \\ \hline \end{array}$$
 b
$$\begin{array}{r} 15 \\ + 99 \\ \hline \end{array}$$
 c
$$\begin{array}{r} 715 \\ - 282 \\ \hline \end{array}$$
 d
$$\begin{array}{r} 805 \\ - 96 \\ \hline \end{array}$$

4 Arrange the following numbers in a descending order:

770 , 717 , 700 , 777 , 707

..... , , , ,

5 Eman had 500 LE. She bought a new T-shirt for 250 LE, and a hat for 102 LE.

Find the remaining money with her.

.....

.....

Model 8

1 Choose the correct answer:

- a 795 rounded to the nearest 10 is (790 or 700 or 800)
- b 7 Hundreds + 15 Tens = (85 or 850 or 715)
- c comes right after 279. (278 or 280 or 289)
- d Two hundred = Tens. (2 or 20 or 200)

2 Complete the following:

- a Any odd number + 1 = an number.
- b The smallest 3-digit odd number is
- c $745 + \dots = 900$
- d The place value of the digit 7 in 274 is

3 If $34 + 36 = 70$, then complete the following:

- a $70 - 36 = \dots$ b + 34 = 70
- c $70 - \dots = 36$ d + 36 = 70

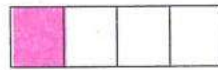
4 Write the fraction that represents the shaded part:



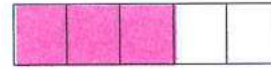
a $\frac{\dots}{\dots}$



b $\frac{\dots}{\dots}$



c $\frac{\dots}{\dots}$



d $\frac{\dots}{\dots}$

5 Hoda has 45 LE. Shimaa has 86 LE, and Sandy has 90 LE.

How much money do they have altogether?

.....

Model 9

1 Choose the correct answer:

- a rounded to the nearest 10 is 250. (256 or 245 or 242)
- b The **smallest** 3-digit number is (100 or 102 or 999)
- c $70 + 40 + 3 =$ (743 or 113 or 473)
- d 112, 478, and 730 are numbers. (odd or even)

2 Complete the following:

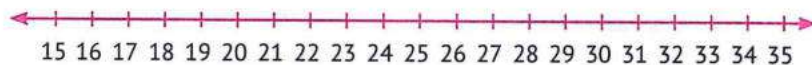
- a $245 \text{ LE} = \boxed{\text{..... LE}} + \boxed{\text{..... LE}} + \boxed{\text{..... LE}} + \boxed{\text{..... LE}}.$
- b The **value** of the digit 6 in 627 is
- c 753, in words:
- d - 247 = 122

3 Complete using (<, =, or >):

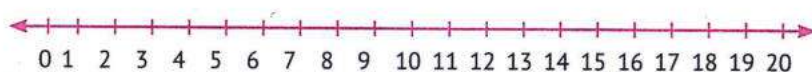
- a $725 + 175$ 800 b $900 - 24$ 876
- c $9 + 30 + 400$ 934 d 3 Hundreds 30 Ones

4 Use the number line to find the result:

a $22 + 8 =$



b $14 - 8 =$



5 Nada bought a ball for 67 LE, and a toy for 28 LE.

How much money did Nada pay?

.....

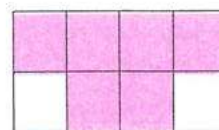
Model 10

1 Choose the correct answer:

- a The **value** of the digit 3 in 387 is (3 or 30 or 300)
- b The **odd** number that comes right **after** 189 is (190 or 191 or 187)
- c 7 Tens + 8 Hundreds + 2 Ones = (782 or 278 or 872)
- d $50 \text{ LE} + 50 \text{ LE} + 20 \text{ LE} + 20 \text{ LE} + 1 \text{ LE} + 1 \text{ LE} = + \dots \text{LE}$.
(142 or 222 or 521)

2 Complete the following:

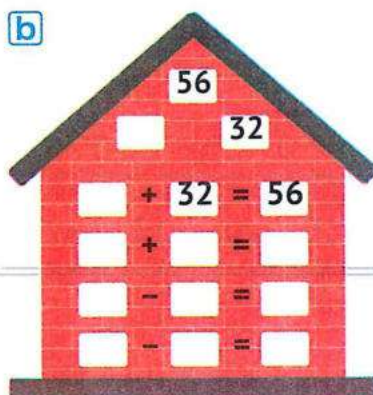
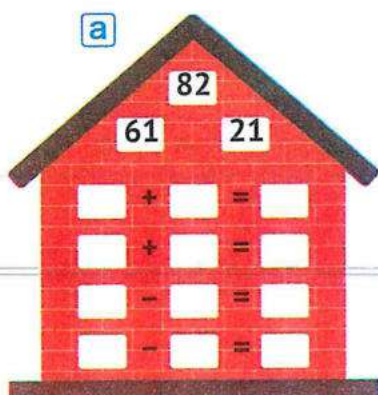
- a The **front-end estimation** of 274 is
- b The fraction that represents the **shaded** part is
- c 75, 70, 65, 60,,
- d 540 comes right **after**



(Rule:)

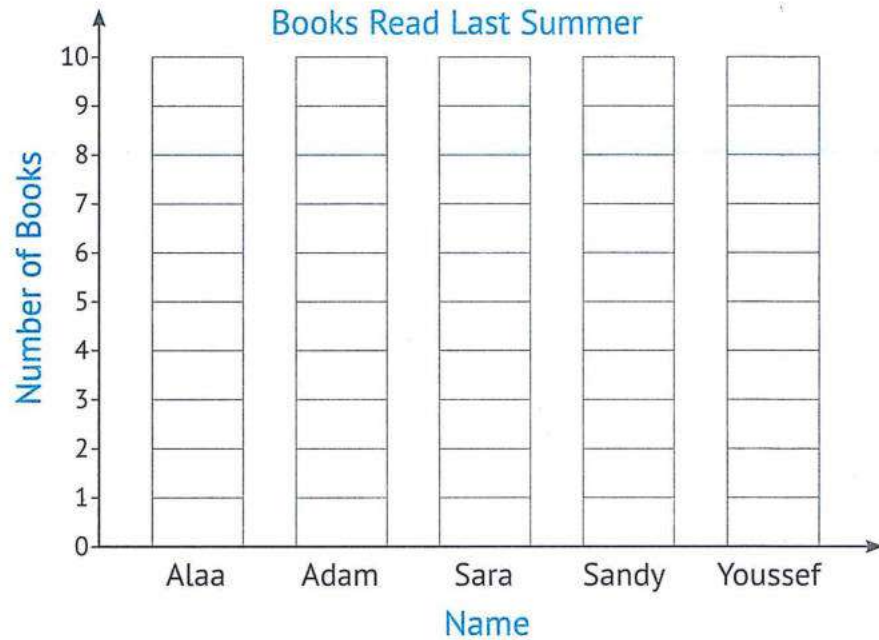
3 Find the result:

- a $785 + 105 = \dots$ b $921 - 381 = \dots$
- c $255 + 187 = \dots$ d $700 - 5 = \dots$

4 Complete the following **fact-family** houses:

5 Use the following table to complete the graph:

Name	Number of Books
Alaa	2
Adam	8
Sara	4
Sandy	6
Youssef	7



6 Adel has 3 banknotes of 100 LE, 2 banknotes of 20 LE, and 7 banknotes of 1 LE.

Find the total amount of money.

Hundreds	Tens	Ones

$$= \dots + \dots + \dots$$

$$= \dots \text{ LE.}$$



Guide Answers

Chapter 7

Lessons 1&2

Exploring Money & Composing an Amount

- 1 a $10 + 10 + 10 + 10 + 1 + 1 = 42$ pounds
b $20 + 20 + 10 + 10 + 1 + 1 + 1 = 63$ pounds
c $50 + 50 + 20 + 20 + 1 + 1 = 142$ pounds
d $200 + 100 + 50 + 20 + 20 + 20 + 1 + 1 = 412$ pounds

2

a	<table><tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr><tr><td>2</td><td>3</td><td>5</td></tr><tr><td colspan="3">200 + 30 + 5 = 235 LE</td></tr></table>	Hundreds	Tens	Ones	2	3	5	200 + 30 + 5 = 235 LE		
Hundreds	Tens	Ones								
2	3	5								
200 + 30 + 5 = 235 LE										
b	<table><tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>0</td><td>3</td></tr><tr><td colspan="3">400 + 0 + 3 = 403 LE</td></tr></table>	Hundreds	Tens	Ones	4	0	3	400 + 0 + 3 = 403 LE		
Hundreds	Tens	Ones								
4	0	3								
400 + 0 + 3 = 403 LE										
c	<table><tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr><tr><td>2</td><td>6</td><td>8</td></tr><tr><td colspan="3">200 + 60 + 8 = 268 LE</td></tr></table>	Hundreds	Tens	Ones	2	6	8	200 + 60 + 8 = 268 LE		
Hundreds	Tens	Ones								
2	6	8								
200 + 60 + 8 = 268 LE										
d	<table><tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr><tr><td>2</td><td>6</td><td>2</td></tr><tr><td colspan="3">200 + 60 + 2 = 262 LE</td></tr></table>	Hundreds	Tens	Ones	2	6	2	200 + 60 + 2 = 262 LE		
Hundreds	Tens	Ones								
2	6	2								
200 + 60 + 2 = 262 LE										

HOME ACTIVITIES

- 1 a $10 + 10 + 10 + 1 + 1 + 1 = 33$ pounds
b $20 + 20 + 20 + 10 + 10 + 1 + 1 = 82$ pounds
c $10 + 10 + 5 + 1 + 1 + 1 = 28$ pounds
d $20 + 20 + 5 + 5 + 1 + 1 + 1 = 53$ pounds
e $100 + 100 + 20 + 1 + 1 = 222$ pounds
f $200 + 50 + 50 + 10 + 10 = 320$ pounds
g $50 + 20 + 10 + 10 + 10 + 1 = 101$ pounds
h $200 + 200 + 5 + 5 + 1 + 1 = 412$ pounds
i $100 + 100 + 100 + 20 + 20 + 20 + 5 = 365$ pounds
j $200 + 100 + 50 + 20 + 10 + 1 = 381$ pounds

2

a

Hundreds	Tens	Ones	Pounds
3	4	2	342
300 + 40 + 2 = 342			

b

Hundreds	Tens	Ones	Pounds
5	6	2	562
500 + 60 + 2 = 562			

c

Hundreds	Tens	Ones	Pounds
4	2	2	422
400 + 20 + 2 = 422			

d

Hundreds	Tens	Ones	Pounds
1	9	0	190
100 + 90 + 0 = 190			

e

Hundreds	Tens	Ones	Pounds
1	0	8	108
100 + 0 + 8 = 108			

f

Hundreds	Tens	Ones	Pounds
6	8	0	680
600 + 80 + 0 = 680			

g

Hundreds	Tens	Ones	Pounds
4	4	0	440
400 + 40 + 0 = 440			

h

Hundreds	Tens	Ones	Pounds
6	0	4	604
600 + 0 + 4 = 604			

i

Hundreds	Tens	Ones	Pounds
8	0	0	800
800 + 0 + 0 = 800			

j

Hundreds	Tens	Ones	Pounds
0	7	0	70
$0 + 70 + 0 = 70$			

k

Hundreds	Tens	Ones	Pounds
6	0	8	608
$600 + 0 + 8 = 608$			

l

Hundreds	Tens	Ones	Pounds
4	0	2	402
$400 + 0 + 2 = 402$			

- 3 a → 2 b → 1 c → 5
 d → 3 e → 4
 4 a = b > c <
 d < e >

Worksheet 1

First:

- a 706 b 352 c 80
 d 1 e 290

Second:

- a 8, 7 b 100 c 500
 d 853 e 240, 245, 250

Third:

- a 1 87 2 59
 3 62 4 34
 b 125, 208, 215, 346, 364
 c 1 232 LE 2 126 LE

Lessons 3-5

Applications on Money & Work With Money

1

a

235 LE

200 LE 20 LE
 10 LE 5 LE

b

160 LE 100 LE 50 LE 10 LE

c

83 LE

50 LE 20 LE 10 LE
 1 LE 1 LE 1 LE

2

a

50 LE 5 LE
 1 LE 1 LE

Hundreds	Tens	Ones	Pounds
0	5	7	57
$0 + 50 + 7 = 57$			

b

200 LE 50 LE 5 LE
 1 LE 1 LE

Hundreds	Tens	Ones	Pounds
2	5	7	257
$200 + 50 + 7 = 257$			

c

200 LE 100 LE 50 LE
 20 LE 1 LE

Hundreds	Tens	Ones	Pounds
3	7	1	371
$300 + 70 + 1 = 371$			

d

200 LE 200 LE 200 LE
 100 LE 10 LE 20 LE

Hundreds	Tens	Ones	Pounds
7	3	0	730
$700 + 30 + 0 = 730$			

Guide Answers

e

20 LE	1 LE	1 LE
10 LE	1 LE	1 LE
Hundreds	Tens	Ones
0	3	4
0 + 30 + 4 = 34		

f

200 LE	1 LE	1 LE
1 LE	1 LE	
Hundreds	Tens	Ones
2	0	4
200 + 0 + 4 = 204		

HOME ACTIVITIES

a

50 LE	20 LE	5 LE
75 pounds = 50 + 20 + 5		

b

50 LE	20 LE	20 LE
5 LE	1 LE	
96 pounds = 50 + 20 + 20 + 5 + 1		

c

200 LE	10 LE	1 LE
1 LE	1 LE	
213 pounds = 200 + 10 + 1 + 1 + 1		

d

200 LE	100 LE	50 LE	10 LE
1 LE	1 LE	1 LE	1 LE
364 pounds = 200 + 100 + 50 + 10 + 1 + 1 + 1 + 1			

e

200 LE	200 LE	100 LE	5 LE
1 LE	1 LE	1 LE	
508 pounds = 200 + 200 + 100 + 5 + 1 + 1 + 1			

f

100 LE	10 LE	5 LE
115 pounds = 100 + 10 + 5		

g

200 LE	50 LE	20 LE	10 LE
5 LE	1 LE	1 LE	
287 pounds = 200 + 50 + 20 + 10 + 5 + 1 + 1			

h

200 LE	100 LE	20 LE
5 LE	1 LE	1 LE
327 pounds = 200 + 100 + 20 + 5 + 1 + 1		

a

200 LE	100 LE		
20 LE	1 LE		
Hundreds	Tens	Ones	Pounds
3	2	1	321
300 + 20 + 1 = 321			

b

200 LE	100 LE	5 LE	
200 LE	20 LE	1 LE	
200 LE	20 LE	1 LE	
Hundreds	Tens	Ones	Pounds
7	4	7	747
700 + 40 + 7 = 747			

c

200 LE	20 LE	10 LE	
Hundreds	Tens	Ones	Pounds
2	3	0	230
200 + 30 + 0 = 230			

d

200 LE	200 LE	20 LE	1 LE
200 LE	200 LE	10 LE	1 LE
50 LE	1 LE		
Hundreds	Tens	Ones	Pounds
8	8	3	883
800 + 80 + 3 = 883			

e

200 LE		200 LE		50 LE	
5 LE		1 LE		1 LE	
Hundreds	Tens	Ones	Pounds		
4	5	7	457		
$400 + 50 + 7 = 457$					

f

200 LE		200 LE		200 LE	
50 LE		1 LE		1 LE	
1 LE		1 LE			
Hundreds	Tens	Ones	Pounds		
6	5	4	654		
$600 + 50 + 4 = 654$					

g

50 LE		20 LE		10 LE	
1 LE		1 LE		1 LE	
Hundreds	Tens	Ones	Pounds		
0	8	3	83		
$0 + 80 + 3 = 83$					

h

200 LE		10 LE	
1 LE		1 LE	
1 LE			
Hundreds	Tens	Ones	Pounds
2	1	3	213
$200 + 10 + 3 = 213$			

i

200 LE		50 LE	
5 LE		1 LE	
1 LE			
Hundreds	Tens	Ones	Pounds
2	5	7	257
$200 + 50 + 7 = 257$			

j

200 LE		20 LE		1 LE	
20 LE		5 LE		1 LE	
Hundreds	Tens	Ones	Pounds		
2	4	7	247		
$200 + 40 + 7 = 247$					

k

100 LE		50 LE		20 LE	
Hundreds	Tens	Ones	Pounds		
1	7	0	170		
$100 + 70 + 0 = 170$					

l

200 LE		200 LE		200 LE		100 LE	
1 LE		1 LE		1 LE			
Hundreds	Tens	Ones	Pounds				
7	0	3	703				
$700 + 0 + 3 = 703$							

m

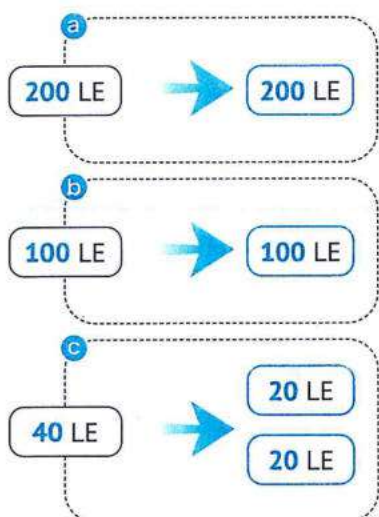
200 LE		100 LE	
1 LE		1 LE	
Hundreds	Tens	Ones	Pounds
3	0	2	302
$300 + 0 + 2 = 302$			

n

200 LE		100 LE	
1 LE		1 LE	
1 LE		1 LE	
1 LE			
Hundreds	Tens	Ones	Pounds
3	0	4	304
$300 + 0 + 4 = 304$			

Guide Answers

3



4 a → 2
d → 5

b → 4
e → 3

c → 1

Worksheet 2

First:

a 200
d 700

b 632
e 12

c 6

Second:

a 80
d 993

b Tens
e 2, 200

c 566

Third:

a 456, 465, 546, 564, 654
b

1

200 LE		100 LE	
50 LE		1 LE	
Hundreds	Tens	Ones	Pounds
3	5	1	351
300 + 50 + 1 = 351			

2

50 LE		5 LE		1 LE	
Hundreds	Tens	Ones	Pounds		
0	5	6	56		
0 + 50 + 6 = 56					

Lessons 6&7

Saving and Purchasing & Place Value for Amounts

1

a

20 LE	5 LE	1 LE
1 LE	1 LE	1 LE

b

200 LE	100 LE
--------	--------

c

100 LE	1 LE	1 LE
--------	------	------

d

200 LE	20 LE	1 LE
--------	-------	------

e

50 LE	20 LE	20 LE
5 LE	1 LE	1 LE

2

a

Hundreds	Tens	Ones	Pounds
1	5	3	= 153 LE
2 153 LE			

b

Hundreds	Tens	Ones	Pounds
--	1	8	= 18 LE
5 18 LE			

c

Hundreds	Tens	Ones	Pounds
--	2	9	= 29 LE
1 29 LE			

d

Hundreds	Tens	Ones	Pounds
1	8	4	= 184 LE
6 184 LE			

e

Hundreds	Tens	Ones	Pounds
--	3	4	= 34 LE
3 34 LE			

f

Hundreds	Tens	Ones	Pounds
--	6	1	= 61 LE
4 61 LE			

3

Item	Price	Add your prices here to keep track of your total
Candies	3	3 + 7
Glue	7	10 + 8
Nuts	8	18 + 20
Book	20	38 + 34
Toy	34	72 + 45
Ball	45	117 + 83
T-shirt	83	200

HOME ACTIVITIES

1

- a) 20 LE 5 LE 1 LE
1 LE 1 LE 1 LE
- b) 100 LE 1 LE 1 LE
- c) 200 LE 20 LE 20 LE
- d) 200 LE 10 LE 5 LE 1 LE
- e) 100 LE 50 LE
- f) 200 LE 100 LE
- g) 200 LE 200 LE 10 LE 5 LE
- h) 50 LE 20 LE 1 LE 1 LE

2

- a) 200 LE 20 LE
- b) 200 LE 200 LE 100 LE
1 LE 1 LE
- c) 100 LE 5 LE 1 LE 1 LE
- d) 100 LE 20 LE 10 LE 5 LE
- e) 200 LE 200 LE 200 LE 10 LE
- f) 20 LE 10 LE 5 LE
- g) 200 LE 20 LE 1 LE
- h) 10 LE 5 LE 1 LE
1 LE 1 LE

3

- a)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|----------|
| 1 | 2 | 2 | = 122 LE |
| 3 122 LE | | | |
- b)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|---------|
| -- | 5 | 3 | = 53 LE |
| 4 53 LE | | | |
- c)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|----------|
| 1 | 2 | 4 | = 124 LE |
| 1 124 LE | | | |
- d)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|---------|
| -- | 6 | 6 | = 66 LE |
| 2 66 LE | | | |
- e)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|---------|
| -- | 6 | 5 | = 65 LE |
| 6 65 LE | | | |
- f)
- | Hundreds | Tens | Ones | Pounds |
|----------|------|------|----------|
| 1 | 8 | 1 | = 181 LE |
| 5 181 LE | | | |

Guide Answers

4

a	Hundreds 1	Tens 8	Ones 4	Pounds = 184 LE
	2 184 LE			
b	Hundreds --	Tens 1	Ones 8	Pounds = 18 LE
	1 18 LE			
c	Hundreds --	Tens 6	Ones 1	Pounds = 61 LE
	4 61 LE			
d	Hundreds --	Tens 2	Ones 9	Pounds = 29 LE
	3 29 LE			
e	Hundreds 1	Tens 5	Ones 3	Pounds = 153 LE
	6 153 LE			
f	Hundreds --	Tens 3	Ones 4	Pounds = 34 LE
	5 34 LE			

5

Item	Price	Add your prices here to keep track of your total
Glue	3	$3 + 5 = 8$
Candies	5	$8 + 9 = 17$
Scissors	9	$17 + 15 = 32$
Pencils	15	$32 + 17 = 49$
Nuts	17	$49 + 28 = 77$
Book	28	$77 + 41 = 118$
Toy	41	$118 + 57 = 175$
Plush toy	57	$175 + 73 = 248$
T-shirt	73	$248 + 86 = 334$
Ball	86	$334 + 127 = 461$
Bicycle	127	

6

Item	Price	Add your prices here to keep track of your total
Candies	3	$3 + 7 = 10$
Glue	7	$10 + 8 = 18$
Nuts	8	$18 + 20 = 38$
Book	20	$38 + 34 = 72$
Toy	34	$72 + 45 = 117$
Ball	45	$117 + 83 = 200$
T-shirt	83	
Bicycle	100	$200 + 100 = 300$

Worksheet 3

First:

a 500

b >

c Hundreds

d 897

e 740

Second:

a 253

b 800, 3

c 753

d 340, 350, 360

e 985

Third:

a 1 78

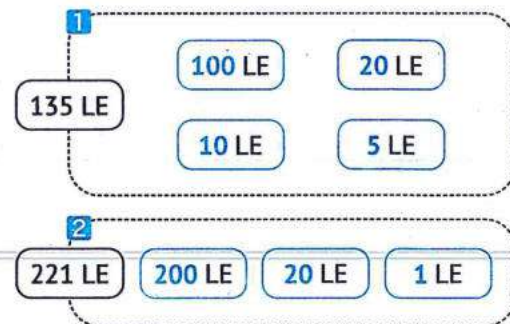
2 77

3 72

4 32

b 211, 247, 292, 380

c



Lesson 8

Adding Using Money

- 1
 - a $42 + 57 = 99$ LE
 - b $29 - 14 = 15$ LE
 - c $33 + 24 = 57$ LE
 - d $99 - 86 = 13$ LE
 - e $44 + 44 = 88$ LE
- 2
 - a Eman has 48 LE and Ahmed has 50 LE.
How much money do they have altogether?
They have = $48 + 50 = 98$ LE
 - b Nada bought a jacket for 74 LE and a shirt for 25 LE. Find the total price.
Total price = $74 + 25 = 99$ LE
 - c Salah had 95 LE, he bought a bicycle for 85 LE.
Find the left money with him.
Money left = $95 - 85 = 10$ LE
 - d Mohamed saved 57 LE. He spent 23 LE.
Find the left money with him.
Money left = $57 - 23 = 34$ LE

HOME ACTIVITIES

- 1
 - a $42 + 57 = 99$ LE
 - b $29 - 14 = 15$ LE
 - c $33 + 24 = 57$ LE
 - d $99 - 86 = 13$ LE
 - e $44 + 44 = 88$ LE
 - f $75 - 62 = 13$ LE
 - g $89 - 79 = 10$ LE
 - h $55 + 30 + 13 = 98$ LE
 - i $42 + 42 = 84$ LE
 - j $16 + 42 = 58$ LE

- 2
 - a Eman has 48 LE and Ahmed has 50 LE.
How much money do they have altogether?
They have = $48 + 50 = 98$ LE

- b Sara has 35 LE and Zeid had 14 LE.
How much money do they have altogether?
They have = $35 + 14 = 49$ LE
- c Nada bought a jacket for 46 LE and a shirt for 30 LE.
Find the total price.
Total price = $46 + 30 = 76$ LE
- d Jana bought a toy for 32 LE and a bag for 52 LE.
Find the total price.
Total price = $32 + 52 = 84$ LE
- e Salah had 96 LE, he bought a bicycle for 72 LE.
Find the left money with him.
Money left = $96 - 72 = 24$ LE
- f Fady had 85 LE. He bought a jacket for 53 LE.
Find the left money.
Money left = $85 - 53 = 32$ LE
- g Mohamed saved 78 LE, he spent 56 LE.
Find the left money.
Money left = $78 - 56 = 22$ LE

Worksheet 4

First:

- | | |
|-------|-------|
| a 100 | b 458 |
| c 400 | d 741 |
| e 1 | |

Second:

- | | |
|-----------------|-------|
| a 50 | b 987 |
| c 8 | d 853 |
| e 540, 545, 550 | |

Third:

- | | | |
|---------------------|-------|-------|
| a 1 > | b 2 = | c 3 > |
| b $29 - 14 = 15$ LE | | |
| c $99 - 86 = 13$ LE | | |

Lessons 9&10

Subtracting Using Money & Applications on Adding and Subtracting Money

1

a

Amount	Hundreds	Tens	Ones
315 LE	3	1	5
154 LE	1	5	4
Sum	4	6	9

b

Amount	Hundreds	Tens	Ones
147 LE	1	4	7
272 LE	2	7	2
Sum	3 4	11 1	9 9

c

Amount	Hundreds	Tens	Ones
438 LE	4	3	8
127 LE	1	2	7
Sum	5 5	5 6	15 5

d

Amount	Hundreds	Tens	Ones
528 LE	5	2	8
297 LE	2	9	7
Sum	7 7 8	11 12 2	15 5 5

e

Amount	Hundreds	Tens	Ones
239 LE	2	3	9
288 LE	2	8	8
Sum	4 4 5	11 12 2	17 7 7

f

Amount	Hundreds	Tens	Ones
405 LE	4	0	5
195 LE	1	9	5
Sum	5 5 6	9 10 0	10 0 0

g

Amount	Hundreds	Tens	Ones
89 LE	--	8	9
75 LE	--	7	5
Sum	-- -- 1	15 16 6	14 4 4

h

Amount	Hundreds	Tens	Ones
29 LE	--	2	9
47 LE	--	4	7
Sum	-- --	6 7	16 6

2

a

Amount	Hundreds	Tens	Ones
569 LE	5	6	9
127 LE	1	2	7
Difference	4	4	2

b

Amount	Hundreds	Tens	Ones
748 LE	7 7	4 3	8 18
329 LE	3	2	9
Difference	4	1	9

HOME ACTIVITIES

c

Amount	Hundreds	Tens	Ones
523 LE	5	2	3
	5	1	13
	4	11	
278 LE	2	7	8
Difference	2	4	5

d

Amount	Hundreds	Tens	Ones
508 LE	5	0	8
	4	10	
253 LE	2	5	3
Difference	2	5	5

e

Amount	Hundreds	Tens	Ones
428 LE	4	2	8
	3	12	
172 LE	1	7	2
Difference	2	5	6

f

Amount	Hundreds	Tens	Ones
654 LE	6	5	4
	6	4	14
	5	14	
378 LE	3	7	8
Difference	2	7	6

g

Amount	Hundreds	Tens	Ones
700 LE	7	0	0
	6	10	0
	6	9	10
187 LE	1	8	7
Difference	5	1	3

h

Amount	Hundreds	Tens	Ones
602 LE	6	0	2
	5	10	2
	5	9	12
357 LE	3	5	7
Difference	2	4	5

a

Amount	Hundreds	Tens	Ones
247 LE	2	4	7
125 LE	1	2	5
Sum	3	6	12
	3	7	2

b

Amount	Hundreds	Tens	Ones
458 LE	4	5	8
236 LE	2	3	6
Sum	6	8	14
	6	9	4

c

Amount	Hundreds	Tens	Ones
524 LE	5	2	4
123 LE	1	2	3
Sum	6	4	7

d

Amount	Hundreds	Tens	Ones
638 LE	6	3	8
107 LE	1	0	7
Sum	7	3	15
	7	4	5

e

Amount	Hundreds	Tens	Ones
652 LE	6	5	2
248 LE	2	4	8
Sum	8	9	10
	8	10	0
	9	0	0

f

Amount	Hundreds	Tens	Ones
724 LE	7	2	4
172 LE	1	7	2
Sum	8	9	6

Guide Answers

g

Amount	Hundreds	Tens	Ones
560 LE	5	6	0
159 LE	1	5	9
Sum	6 7	11 1	9 9

h

Amount	Hundreds	Tens	Ones
287 LE	2	8	7
279 LE	2	7	9
Sum	4 4 5	15 16 6	16 6 6

2
a

Amount	Hundreds	Tens	Ones
725 LE	7	2	5
273 LE	2	7	3
Sum	9	9	8

b

Amount	Hundreds	Tens	Ones
632 LE	6	3	2
157 LE	1	5	7
Sum	7	8	9

c

Amount	Hundreds	Tens	Ones
624 LE	6	2	4
182 LE	1	8	2
Sum	7 8	10 0	6 6

d

Amount	Hundreds	Tens	Ones
247 LE	2	4	7
189 LE	1	8	9
Sum	3 3 4	12 13 3	16 6 6

e

Amount	Hundreds	Tens	Ones
605 LE	6	0	5
187 LE	1	8	7
Sum	7 7	8 9	12 2

f

Amount	Hundreds	Tens	Ones
500 LE	5	0	0
455 LE	4	5	5
Sum	9	5	5

g

Amount	Hundreds	Tens	Ones
75 LE	--	7	5
19 LE	--	1	9
Sum	-- --	8 9	14 4

h

Amount	Hundreds	Tens	Ones
83 LE	--	8	3
57 LE	--	5	7
Sum	-- -- 1	13 14 4	10 0 0

3
a

Amount	Hundreds	Tens	Ones
854 LE	8	5	4
142 LE	1	4	2
Difference	7	1	2

b

Amount	Hundreds	Tens	Ones
632 LE	6	3	2
321 LE	3	2	1
Difference	3	1	1

c

Amount	Hundreds	Tens	Ones
456 LE	4	5	6
126 LE	1	2	6
Difference	3	3	0

d

Amount	Hundreds	Tens	Ones
724 LE	7	2	4
224 LE	2	2	4
Difference	5	0	0

e

Amount	Hundreds	Tens	Ones
514 LE	5 4	1 11	4
123 LE	1	2	3
Difference	3	9	1

f

Amount	Hundreds	Tens	Ones
638 LE	6 5	3 13	8
481 LE	4	8	1
Difference	1	5	7

g

Amount	Hundreds	Tens	Ones
753 LE	7 7 6	5 4 14	3 13
175 LE	1	7	5
Difference	5	7	8

h

Amount	Hundreds	Tens	Ones
674 LE	6 6	7 6	4 14
269 LE	2	6	9
Difference	4	0	5

a

Amount	Hundreds	Tens	Ones
555 LE	5 4	5 15	5
183 LE	1	8	3
Difference	3	7	2

b

Amount	Hundreds	Tens	Ones
617 LE	6 6 5	1 0 10	7 17
259 LE	2	5	9
Difference	3	5	8

c

Amount	Hundreds	Tens	Ones
328 LE	3 2	2 12	8
150 LE	1	5	0
Difference	1	7	8

d

Amount	Hundreds	Tens	Ones
527 LE	5 5 4	2 1 11	7 17
279 LE	2	7	9
Difference	2	4	8

e

Amount	Hundreds	Tens	Ones
421 LE	4 4 3	2 1 11	1 11
137 LE	1	3	7
Difference	2	8	4

f

Amount	Hundreds	Tens	Ones
503 LE	5 4 --	0 10 9	3 3 13
159 LE	1	5	9
Difference	3	4	4

Guide Answers

Amount	Hundreds	Tens	Ones
425 LE	4	2	5
	4	1	15
	3	11	
198 LE	1	9	8
Difference	2	2	7

Amount	Hundreds	Tens	Ones
600 LE	6	0	0
	5	10	0
	5	9	10
275 LE	2	7	5
Difference	3	2	5

Worksheet 5

First:

a 915

b 623

c 570

d 40

e 50

Second:

a 10 + 10 + 10 + 1 + 1 + 1

33 pounds

2

Hundreds	Tens	Ones	Pounds
1	2	2	122
100 + 20 + 2 = 122.			

b

1

200 LE	100 LE	50 LE	
20 LE	1 LE		
Hundreds	Tens	Ones	Pounds
3	7	1	371
300 + 70 + 1 = 371			

2

200 LE	200 LE	100 LE	
200 LE	20 LE	10 LE	
Hundreds	Tens	Ones	Pounds
7	3	0	730
700 + 30 + 0 = 730			

Amount	Hundreds	Tens	Ones
405 LE	4	0	5
195 LE	1	9	5
Sum	5	9	10
	5	10	0
	6	0	0

Amount	Hundreds	Tens	Ones
654 LE	6	5	4
	6	4	14
	5	14	
378 LE	3	7	8
Difference	2	7	6

Chapter 8

Lessons 1-3

Even Numbers and Odd Numbers

1

200, 15, 63, 20, 84, 913, 910, 212

214, 187, 520, 113, 772, 366, 781, 28

2

48, 51, 127, 366, 541, 147, 258, 362

270, 21, 547, 36, 121, 255, 474

3

a 26

b 314

c 89

d 349

e 27, 29, 31

4

a even

b even

c odd

d even

e even

5

Number	Double	Even Number or Odd Number
b 5	$5 + 5 = 10$	Even Number
c 9	$9 + 9 = 18$	Even Number
d 6	$6 + 6 = 12$	Even Number
e 13	$13 + 13 = 26$	Even Number
f 10	$10 + 10 = 20$	Even Number

6

Addition Operation	The Sum	Even Number or Odd Number
b $3 + 6$	9	Odd Number
c $8 + 6$	14	Even Number
d $37 + 15$	52	Even Number
e $24 + 25$	49	Odd Number
f $12 + 38$	50	Even Number

HOME ACTIVITIES

1

125, 278, 568, 249, 52, 76, 621, 95
 473, 111, 337, 900, 54, 101, 645, 62
 503, 210, 374, 222, 12, 219, 320, 15
 660, 277, 126, 357, 103, 38, 20, 999

2

541, 257, 336, 774, 89, 98, 56, 65
 102, 315, 211, 112, 108, 659, 221, 100
 45, 12, 290, 244, 131, 633, 717, 210
 103, 275, 600, 444, 68, 92, 137, 415

3

1 34 2 54 3 60
 4 624 5 926 6 156

b 1 10

2 28

3 60

4 344

5 100

6 698

4

a 1 25

2 55

3 101

4 127

5 423

6 551

b 1 13

2 65

3 39

4 533

5 99

6 775

5

a 53, 55, 57, 59, 61.

b 104, 106, 108.

c even

d even

e odd

f even

g odd

h even

i odd

j odd

k even

l odd

m even

6

Number	Double	Even Number or Odd Number
a 2	$2 + 2 = 4$	Even
b 3	$3 + 3 = 6$	Even
c 7	$7 + 7 = 14$	Even
d 8	$8 + 8 = 16$	Even
e 9	$9 + 9 = 18$	Even
f 1	$1 + 1 = 2$	Even
g 5	$5 + 5 = 10$	Even
h 6	$6 + 6 = 12$	Even
i 4	$4 + 4 = 8$	Even
j 43	$43 + 43 = 86$	Even
k 25	$25 + 25 = 50$	Even
l 44	$44 + 44 = 88$	Even
m 18	$18 + 18 = 36$	Even
n 19	$19 + 19 = 38$	Even
o 10	$10 + 10 = 20$	Even
p 51	$51 + 51 = 102$	Even
q 26	$26 + 26 = 52$	Even
r 32	$32 + 32 = 64$	Even

Guide Answers

6

Addition Operation	Sum	Even Number or Odd Number
a $4 + 3$	7	Odd
b $8 + 6$	14	Even
c $7 + 7$	14	Even
d $9 + 5$	14	Even
e $4 + 2$	6	Even
f $12 + 14$	26	Even
g $17 + 8$	25	Odd
h $12 + 5$	17	Odd
i $23 + 31$	54	Even
j $23 + 5$	28	Even
k $14 + 7$	21	Odd
l $9 + 17$	26	Even
m $33 + 8$	41	Odd
n $22 + 18$	40	Even
o $77 + 2$	79	Odd
p $37 + 4$	41	Odd
q $12 + 81$	93	Odd
r $43 + 36$	79	Odd

Worksheet 1

First:

a 454 b even c 675

d 100 e 536

Second:

a odd b 987 c Ones

d 99 e 200

Third:

a The even numbers are: 102, 318, 236, 80.

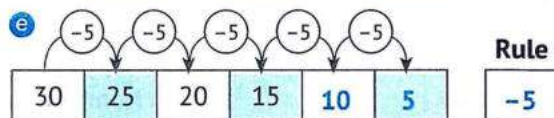
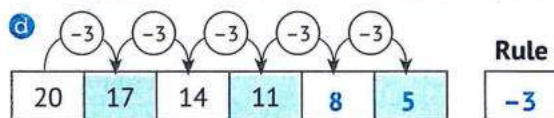
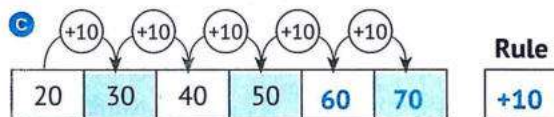
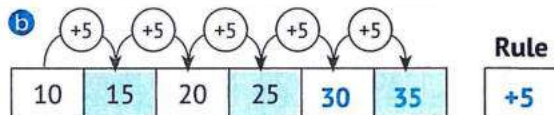
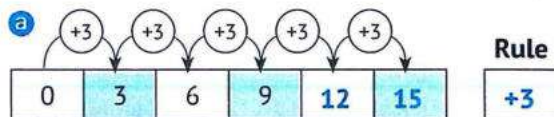
The odd numbers are: 425, 47, 223, 71, 479.

b Money left = $500 - 300 = 200$ LE

Lessons 4&5

Patterns

1



a 48, 39 → 3 - 9 b 60, 70 → 1 + 10

c 30, 36 → 2 + 6 d 78, 82 → 6 + 4

e 60, 50 → 4 - 10 f 18, 15 → 5 - 3

a 35, 40, 45, 50, 55

35, 33, 31, 29, 27

b 20, 22, 24, 26, 28

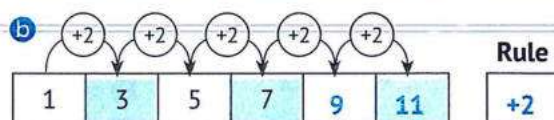
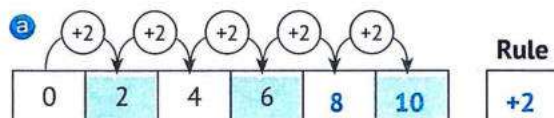
20, 17, 14, 11, 8

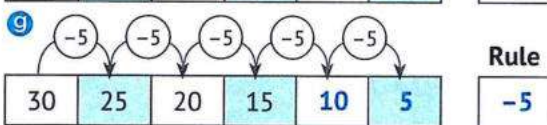
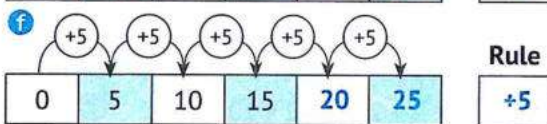
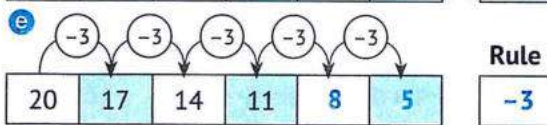
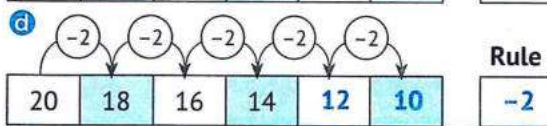
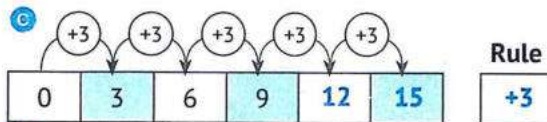
c 37, 41, 45, 49, 53

37, 33, 29, 25, 21

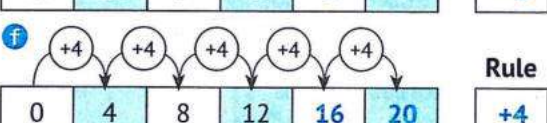
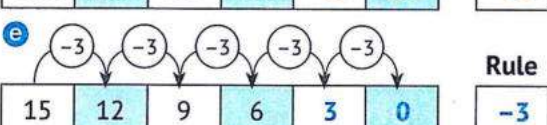
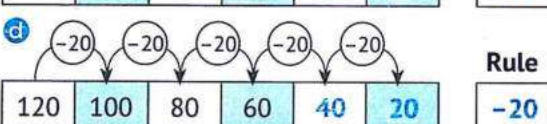
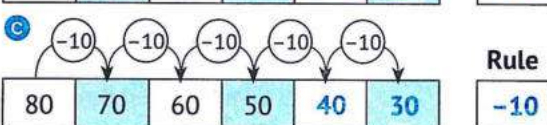
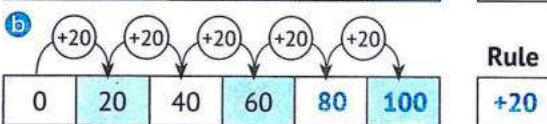
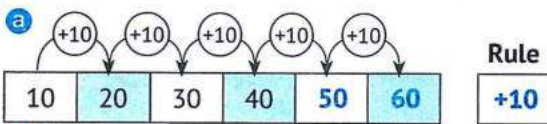
HOME ACTIVITIES

1





2



- 3 a 8, 10 → 3 + 2 b 18, 16 → 1 - 2
c 48, 39 → 2 - 9 d 84, 87 → 5 + 3
e 60, 70 → 6 + 10 f 40, 30 → 4 - 10
- 4 a 30, 36 → 2 + 6 b 18, 12 → 1 - 6
c 78, 82 → 4 + 4 d 70, 66 → 3 - 4
e 60, 50 → 6 - 10 f 18, 15 → 5 - 3
- 5 a 35, 40, 45, 50, 55
35, 33, 31, 29, 27
b 20, 22, 24, 26, 28
20, 17, 14, 11, 8
c 50, 55, 60, 65, 70
50, 45, 40, 35, 30
d 50, 40, 30, 20, 10
50, 60, 70, 80, 90
e 33, 44, 55, 66, 77
33, 28, 23, 18, 13
f 37, 41, 45, 49, 53
37, 33, 29, 25, 21

Worksheet 2

First:

- a 2 b 60 c 8
d 400 e 740

Second:

- a 987 b Hundreds c 65
d 53, 63, Rule: + 10 e 253

Third:

- a 1 35, 40, 45, 50, 55
2 35, 33, 31, 29, 27
3 33, 44, 55, 66, 77
4 33, 28, 23, 18, 13

- b 1 < 2 =
3 > 4 >

- c 203, 523, 620

Lessons 6-10

Arrays

- 1 a 1 3 2 6
 3 $6 + 6 + 6 = 18$ 4 6 5 3
 6 $3 + 3 + 3 + 3 + 3 + 3 = 18$ 7 3 by 6
- b 1 3 2 5
 3 $5 + 5 + 5 = 15$ 4 5 5 3
 6 $3 + 3 + 3 + 3 + 3 = 15$ 7 3 by 5
- c 1 4 2 3
 3 $3 + 3 + 3 + 3 = 12$ 4 3 5 4
 6 $4 + 4 + 4 = 12$ 7 4 by 3
- d 1 2 2 8
 3 $8 + 8 = 16$ 4 8 5 2
 6 $2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$
 7 2 by 8

HOME ACTIVITIES

- 1 a 1 3 2 6
 3 $6 + 6 + 6 = 18$ 4 6 5 3
 6 $3 + 3 + 3 + 3 + 3 + 3 = 18$ 7 3 by 6
- b 1 4 2 5
 3 $5 + 5 + 5 + 5 = 20$ 4 5 5 4
 6 $4 + 4 + 4 + 4 + 4 = 20$ 7 4 by 5
- c 1 3 2 5
 3 $5 + 5 + 5 = 15$ 4 5 5 3
 6 $3 + 3 + 3 + 3 + 3 = 15$ 7 3 by 5
- d 1 2 2 6
 3 $6 + 6 = 12$ 4 6 5 2
 6 $2 + 2 + 2 + 2 + 2 + 2 = 12$ 7 2 by 6
- e 1 4 2 3
 3 $4 + 4 + 4 = 12$ 4 3 5 4
 6 $4 + 4 + 4 = 12$ 7 4 by 3
- f 1 4 2 4
 3 $4 + 4 + 4 + 4 = 16$ 4 4 5 4
 6 $4 + 4 + 4 + 4 = 16$ 7 4 by 4
- g 1 2 2 8
 3 $8 + 8 = 16$ 4 8 5 2

6 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$

7 2 by 8

- h 1 3 2 7
 3 $7 + 7 + 7 = 21$ 4 7 5 3
 6 $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$ 7 3 by 7
- i 1 1 2 5
 3 5 4 5 5 1
 6 $1 + 1 + 1 + 1 + 1 = 5$ 7 1 by 5
- j 1 2 2 5
 3 $5 + 5 = 10$ 4 5 5 2
 6 $2 + 2 + 2 + 2 + 2 = 10$ 7 2 by 5
- k 1 3 2 2
 3 $2 + 2 + 2 = 6$ 4 2 5 3
 6 $3 + 3 = 6$ 7 3 by 2

Worksheet 3

First:

- a 50 b 420 c 503
 d 139 e even

Second:

- a 987 b Tens
 c 330, 340 d Five hundred nine
 e 8, 7

Third:

a

Hundreds	Tens	Ones	Pounds
2	3	2	232
$200 + 30 + 2 = 232$			

2

Hundreds	Tens	Ones	Pounds
4	5	3	453
$400 + 50 + 3 = 453$			

b $4 + 4 = 8$

or $2 + 2 + 2 + 2 = 8$

2 by 4

Chapter 9

Lesson 1

Estimating Sums and Differences

- 1 a 50 b 100 c 30
d 90 e 600 f 300
- 2 a $50 + 10 = 60$ b $80 - 20 = 60$
c $50 + 20 = 70$ d $90 - 40 = 50$

HOME ACTIVITIES

- 1 a 50 b 20 c 90
d 10 e 30 f 60
g 90 h 500 i 300
j 100 k 300 l 500
m 800 n 100
- 2 a $40 + 30 = 70$ b $60 - 40 = 20$
c $60 + 10 = 70$ d $40 - 30 = 10$
e $30 + 10 = 40$ f $90 - 30 = 60$
g $400 + 200 = 600$ h $400 - 200 = 200$

- 3
- | | | | |
|---|---------------------------------|---|---------------------------------|
| a | 34 → 30
+ 35 → + 30
69 60 | b | 45 → 40
- 23 → - 20
22 20 |
| c | 48 → 40
+ 34 → + 30
82 70 | d | 79 → 70
- 15 → - 10
64 60 |
| e | 60 → 60
+ 18 → + 10
78 70 | f | 88 → 80
- 17 → - 10
71 70 |
| g | 53 → 50
+ 35 → + 30
88 80 | h | 58 → 50
- 47 → - 40
11 10 |

Worksheet 1

First:

- a 853 b 723 c Tens
d 800 e 6

Second:

- a 566 b 8 c 65
d 50 e 500, 600, Rule: +100

Third:

- a Ahmed paid = $35 + 22 = 57$ LE.

- b 1 = 2 <
3 > 4 >
- c 1 300 2 50
3 600 4 70

Lesson 2

Rounding to the Nearest Ten

1



Number	Rounding to the Nearest 10
a 41	40
b 42	40
c 43	40
d 44	40
e 45	50

Number	Rounding to the Nearest 10
f 46	50
g 47	50
h 48	50
i 49	50
j 50	50

- 2 a 20 b 100
c 320 d 90
e 30 f 60
g 740 h 60
i 20 j 300

HOME ACTIVITIES

1



Number	Rounding to the Nearest 10
a 31	30
b 32	30
c 33	30
d 34	30
e 35	40

Number	Rounding to the Nearest 10
f 36	40
g 37	40
h 38	40
i 39	40
j 40	40

2



Number	Rounding to the Nearest 10
a 61	60
b 62	60
c 63	60
d 64	60
e 65	70

Number	Rounding to the Nearest 10
f 66	70
g 67	70
h 68	70
i 69	70
j 70	70

3



Number	Rounding to the Nearest 10
a 91	90
b 92	90
c 93	90
d 94	90
e 95	100

Number	Rounding to the Nearest 10
f 96	100
g 97	100
h 98	100
i 99	100
j 100	100

4 a 50

c 90

e 20

g 60

i 20

b 20

d 70

f 40

h 30

j 80

5 a 350

c 300

e 320

g 730

i 520

b 510

d 370

f 410

h 500

j 800

6

Number	Estimation	Rounding to the Nearest 10
a 78	70	80
b 72	70	70
c 75	70	80
d 108	100	110
e 103	100	100

Worksheet 2

First:

a 574

b 400

c Hundreds

d 999

e 460

Second:

a 734

b 400, 500

c 941

d 1, 2, 6

e 500

Third:

a 1 60

2 40

3 20

4 10

5 370

6 720

7 620

8 300

b Mina paid = $200 + 300 = 500$ LE.

c 149, 419, 914, 941

Lesson 3

Applications on Estimating and Rounding

1



Number	Rounding to the Nearest 100	Number	Rounding to the Nearest 100
a 302	300	f 360	400
b 325	300	g 377	400
c 338	300	h 385	400
d 347	300	i 392	400
e 349	300	j 309	300

2

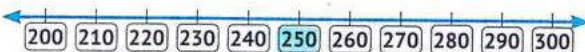
- a 100 b 200 c 200
 d 800 e 700 f 200
 g 800 h 300
 i 100 j 0

3

Number	a 357	b 298	c 564
Estimation	300	200	500
Rounding to the Nearest 10	360	300	560
Rounding to the Nearest 100	400	300	600

HOME ACTIVITIES

1



Number	Rounding to the Nearest 100	Number	Rounding to the Nearest 100
a 215	200	f 228	200
b 231	200	g 246	200
c 257	300	h 261	300
d 273	300	i 284	300
e 294	300	j 250	300

2



Number	Rounding to the Nearest 100	Number	Rounding to the Nearest 100
a 417	400	f 436	400
b 423	400	g 449	400
c 459	500	h 462	500
d 476	500	i 489	500
e 460	500	j 499	500

3



Number	Rounding to the Nearest 100	Number	Rounding to the Nearest 100
a 702	700	f 781	800
b 719	700	g 752	800
c 728	700	h 761	800
d 730	700	i 777	800
e 749	700	j 792	800

4

- a 100 b 300
 c 200 d 300
 e 200 f 500
 g 800 h 900
 i 200 j 300
 k 400 l 600
 m 700 n 0

Guide Answers

5

Number	Estimation	Rounding to the Nearest 10	Rounding to the Nearest 100
a 238	200	240	200
b 154	100	150	200
c 196	100	200	200
d 245	200	250	200
e 632	600	630	600
f 108	100	110	100
g 71	70	70	100
h 98	90	100	100
i 45	40	50	0
j 63	60	60	100

Worksheet 3

First:

- a 805 b 578
c Hundreds d 600
e 536

Second:

- a 999 b 123
c 384 d 600
e 337

Third:

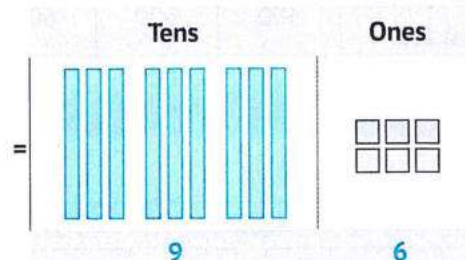
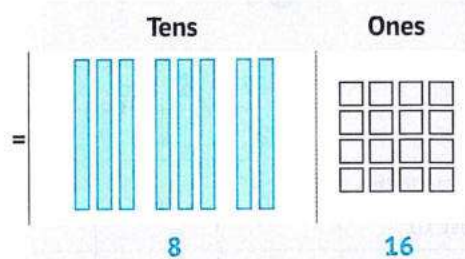
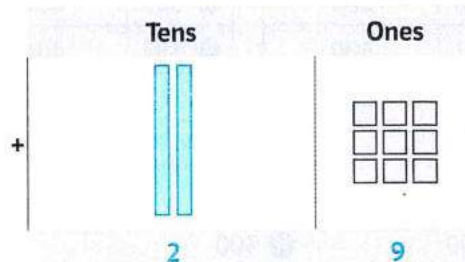
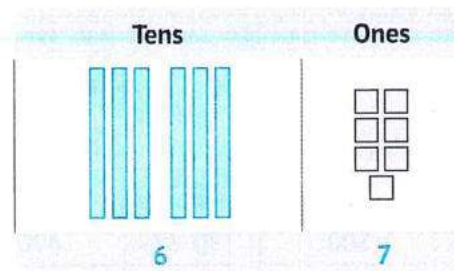
- a 1 79 2 14
3 68 4 23
b 1 300 2 400
3 100 4 400
5 700 6 600

- c 149, 419, 914, 941

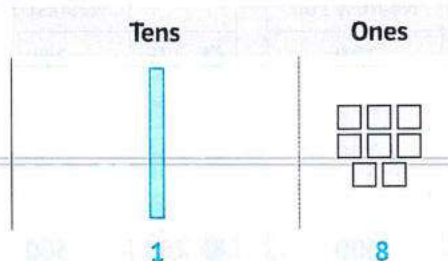
Lessons 4&5

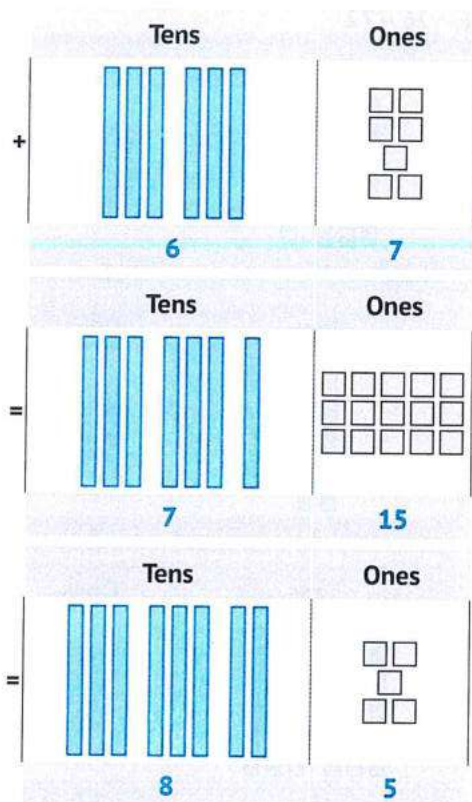
Adding Two 2-Digit Numbers With Regrouping

1 a $67 + 29$

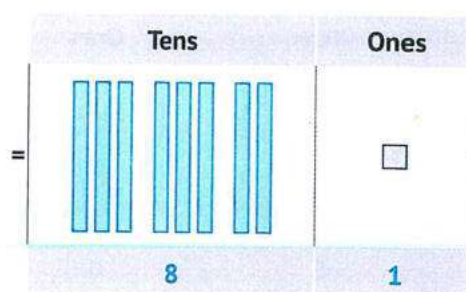
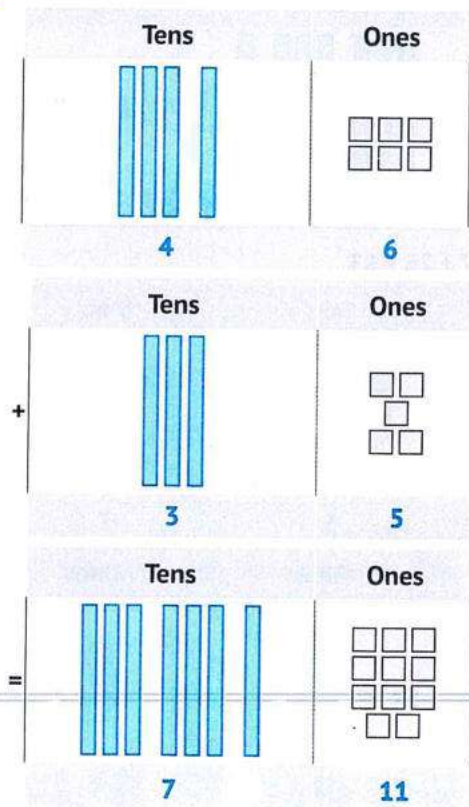


b $18 + 67$





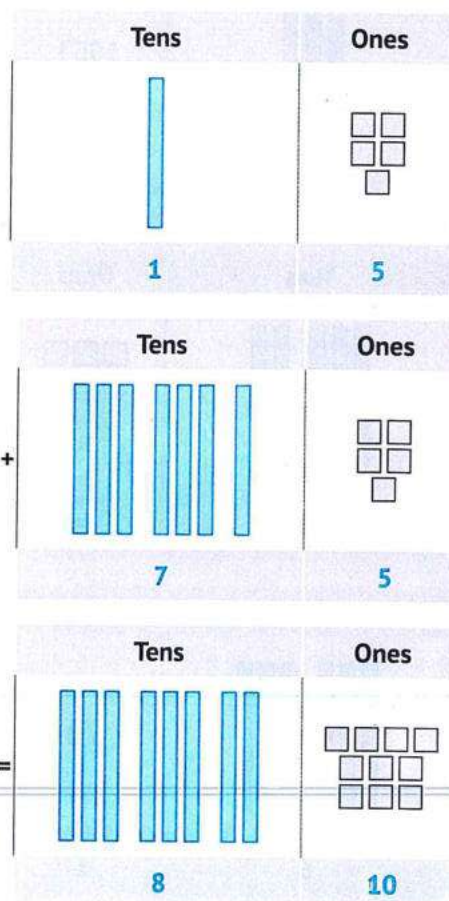
c $46 + 35$



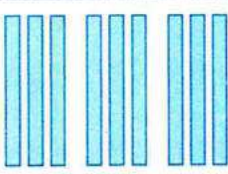
- 2 a 87 b 90 c 85
 d 97 e 64 f 22
 g 87 h 46 i 78
- 3 a 84 b 90 c 74
 d 40 e 68 f 70
 g 74 h 37 i 85
 j 107

HOME ACTIVITIES

1 a $15 + 75 = 90$



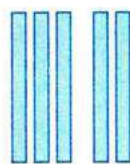
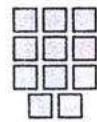
Guide Answers

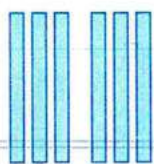
Tens	Ones
	
9	0

b $26 + 35 = 61$

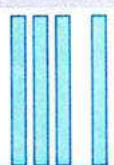
Tens	Ones
	
2	6

Tens	Ones
	
3	5

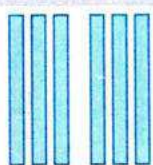
Tens	Ones
	
5	11

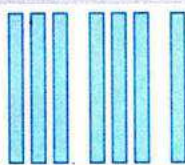
Tens	Ones
	
6	1

c $46 + 26 = 72$

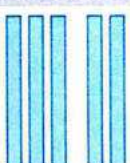
Tens	Ones
	
4	6

Tens	Ones
	
2	6

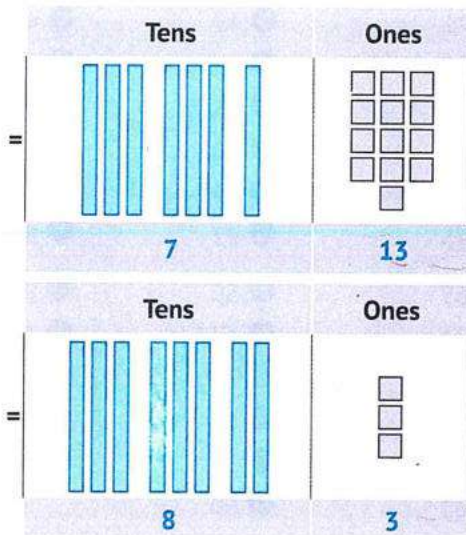
Tens	Ones
	
6	12

Tens	Ones
	
7	2

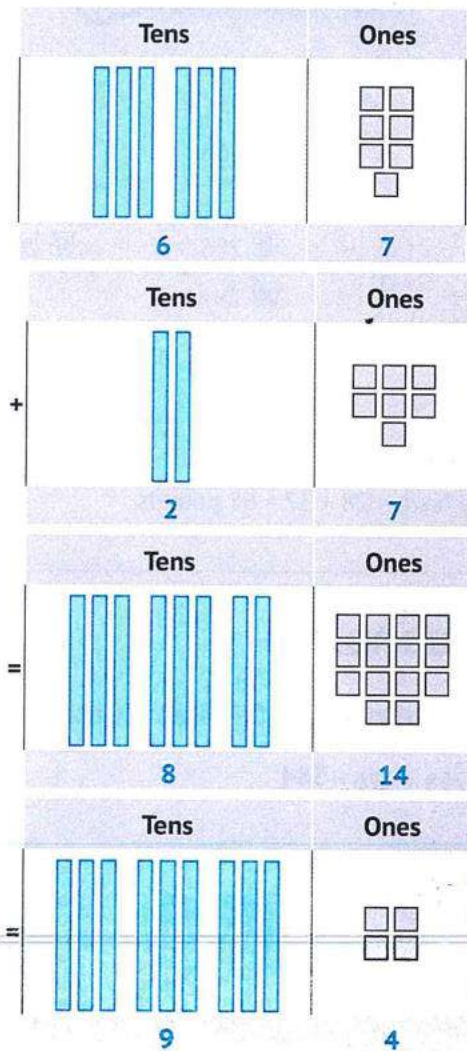
d $57 + 26 = 83$

Tens	Ones
	
5	7

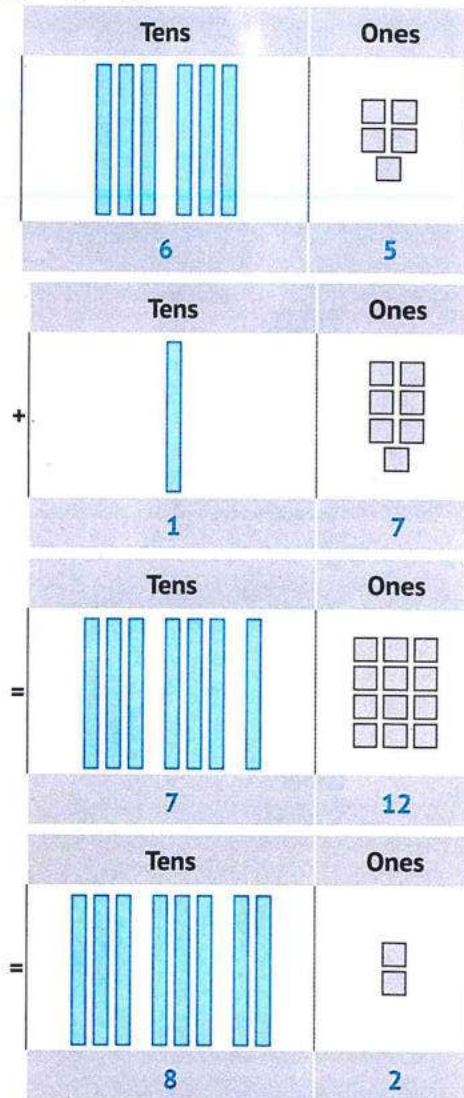
Tens	Ones
	
2	6



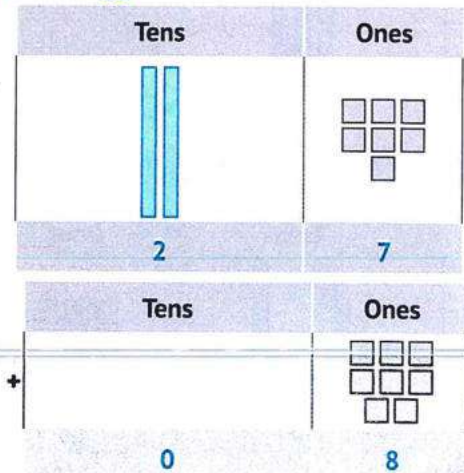
e $67 + 27 = 94$



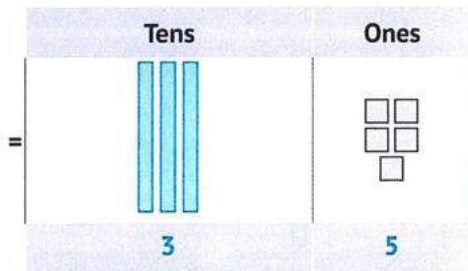
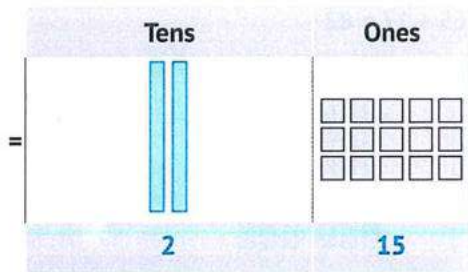
f $65 + 17 = 82$



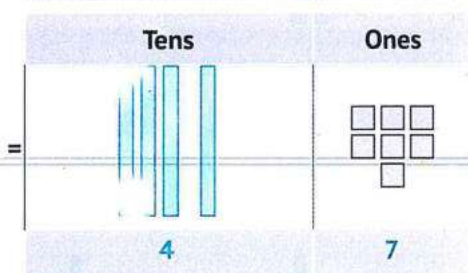
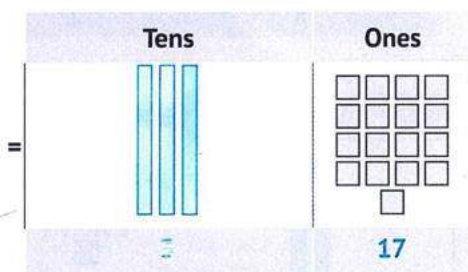
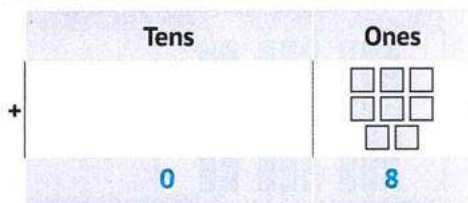
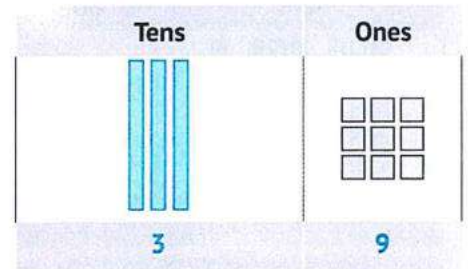
g $27 + 8 = 35$



Guide Answers



h $39 + 8 = 47$



- | | | |
|--------|-------|------|
| 2 a 71 | b 45 | c 41 |
| d 91 | e 85 | f 82 |
| g 56 | h 55 | i 43 |
| j 76 | k 101 | l 42 |
| m 44 | n 73 | o 40 |
| p 75 | q 92 | r 83 |
| 3 a 69 | b 59 | c 91 |
| d 71 | e 42 | f 44 |
| g 83 | h 76 | i 65 |
| j 52 | k 34 | l 73 |
| m 26 | n 34 | o 84 |
| p 61 | q 60 | |

Worksheet 4

First:

- | | | |
|-------|-------|------|
| a 100 | b 95 | c 10 |
| d 25 | e 500 | |

Second:

- | | | |
|--------|--------|-------|
| a 8, 2 | b 256 | c 200 |
| d 503 | e Tens | |

Third:

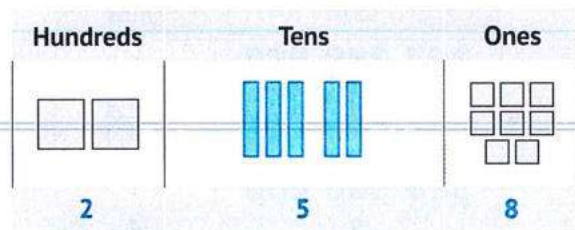
- | | |
|--------|------|
| a 1 93 | 2 44 |
| 3 85 | 4 63 |

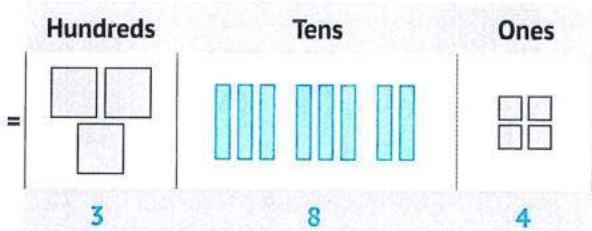
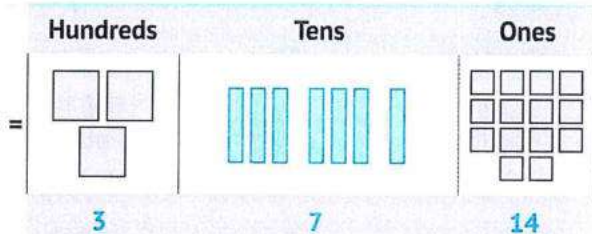
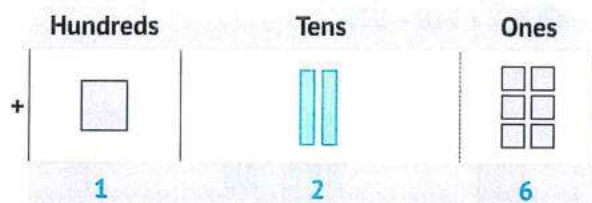
- b They have = $28 + 37 = 65$ pounds.

Lessons 6-8

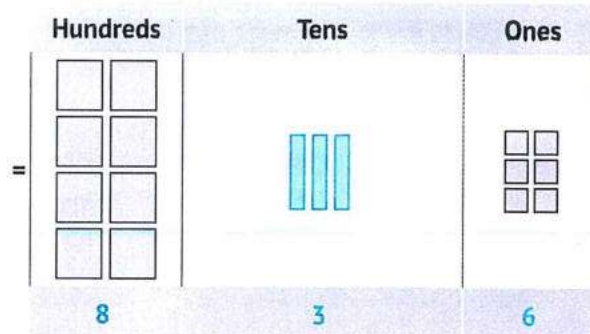
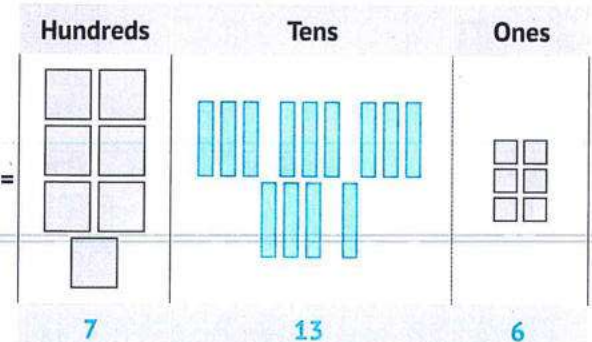
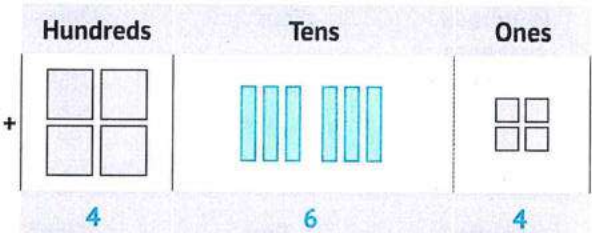
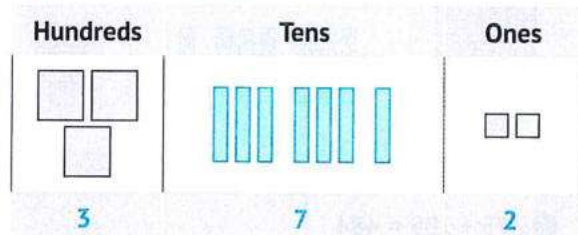
Adding Two 3-Digit Numbers

1 a $258 + 126 = 384$

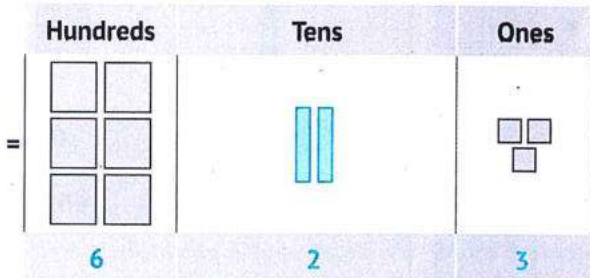
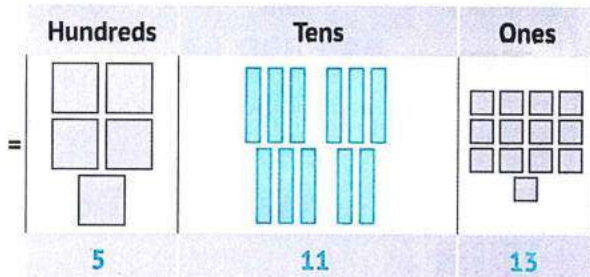
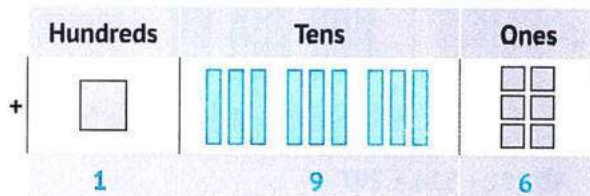
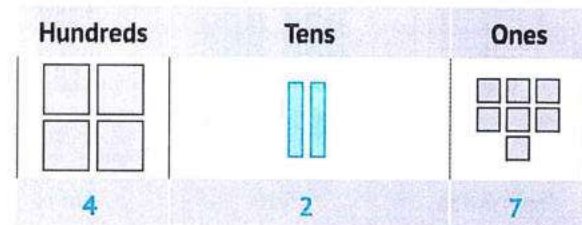




b $372 + 464 = 836$



c $427 + 196 = 623$



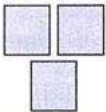
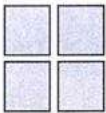
- 2 a 579
d 700
g 795
j 591
m 759

- b 492
e 653
h 752
k 682

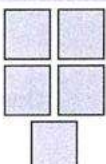
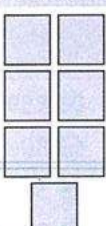
- c 859
f 806
i 360
l 866

HOME ACTIVITIES

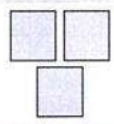
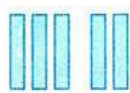
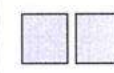
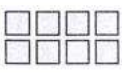
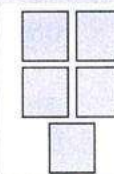
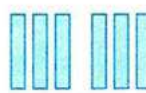
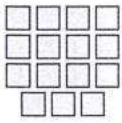
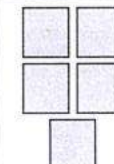
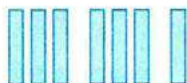
1 a $123 + 365 = 488$

Hundreds	Tens	Ones
		
1	2	3
Hundreds	Tens	Ones
		
3	6	5
Hundreds	Tens	Ones
		
4	8	8

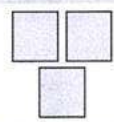
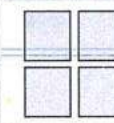
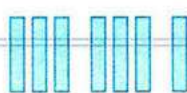
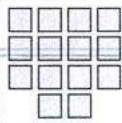
b $281 + 516 = 797$

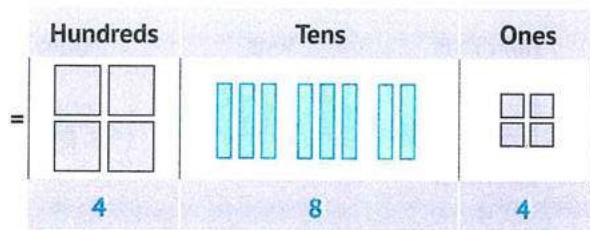
Hundreds	Tens	Ones
		
2	8	1
Hundreds	Tens	Ones
		
5	1	6
Hundreds	Tens	Ones
		
7	9	7

c $357 + 218 = 575$

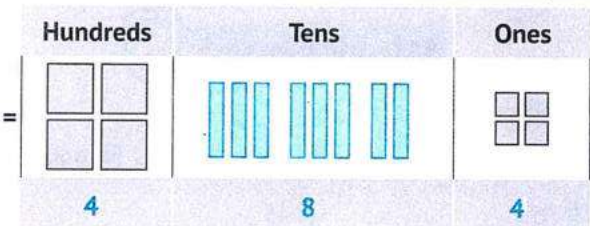
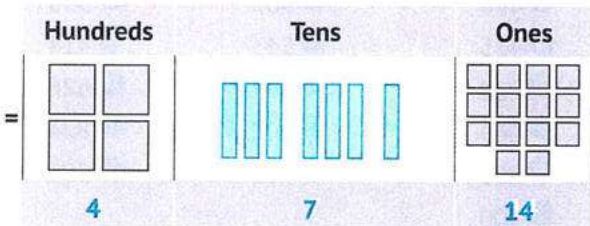
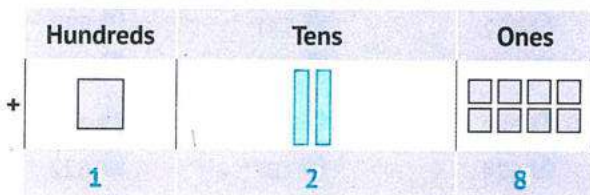
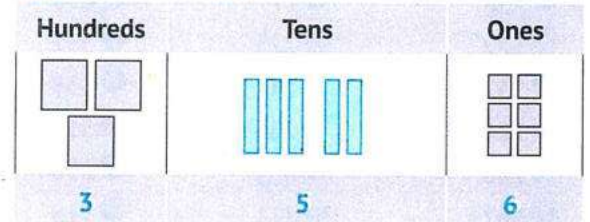
Hundreds	Tens	Ones
		
3	5	7
Hundreds	Tens	Ones
		
2	1	8
Hundreds	Tens	Ones
		
5	6	15
Hundreds	Tens	Ones
		
5	7	5

d $375 + 109 = 484$

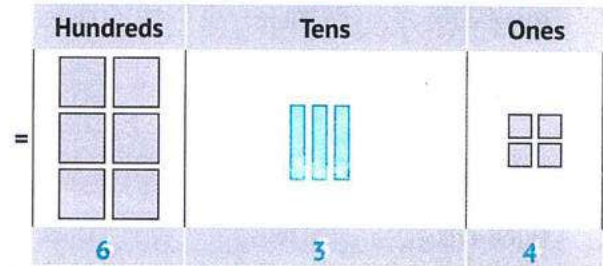
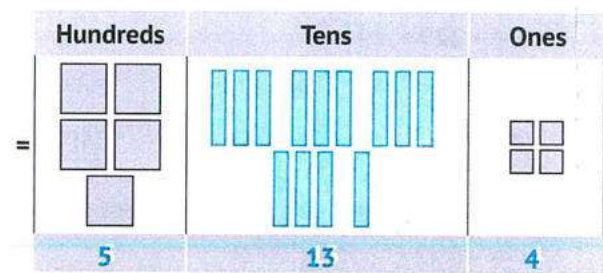
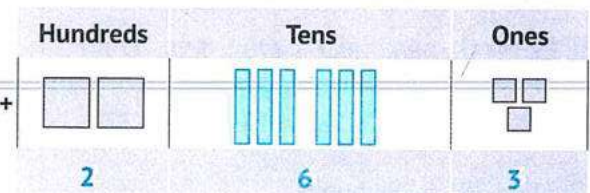
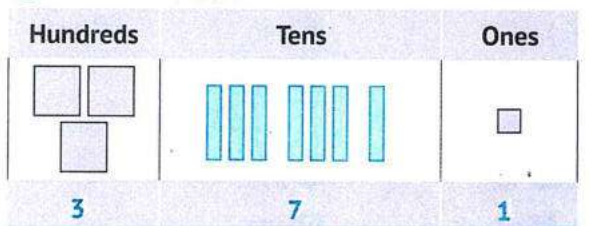
Hundreds	Tens	Ones
		
3	7	5
Hundreds	Tens	Ones
		
1	0	9
Hundreds	Tens	Ones
		
4	7	14



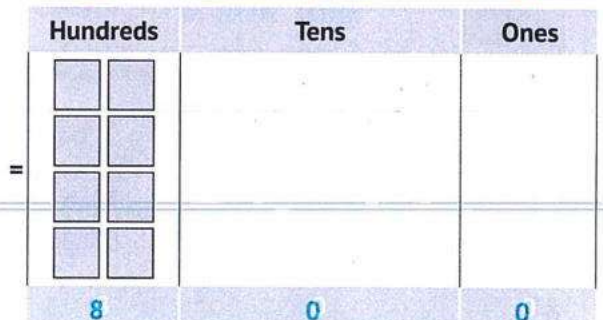
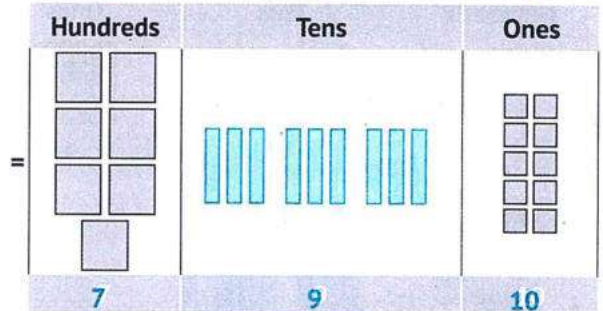
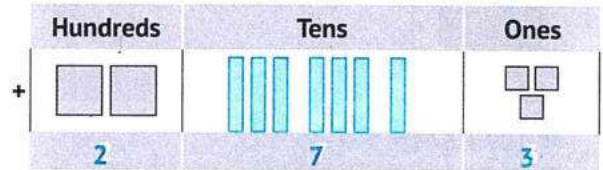
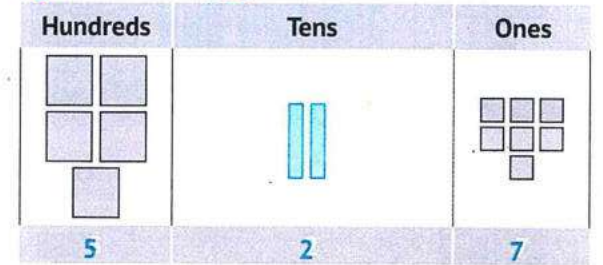
e $356 + 128 = 484$



f $371 + 263 = 634$



g $527 + 273 = 800$



Guide Answers

h $174 + 229 = 403$

Hundreds	Tens	Ones
1	7	4

Hundreds	Tens	Ones
2	2	9

Hundreds	Tens	Ones
3	9	13

Hundreds	Tens	Ones
4	0	3

i $109 + 374 = 483$

Hundreds	Tens	Ones
1	0	9

Hundreds	Tens	Ones
3	7	4

Hundreds	Tens	Ones
4	7	13

Hundreds	Tens	Ones
4	8	3

- 2
- | | | |
|-------|-------|-------|
| a 368 | b 777 | c 698 |
| d 379 | e 223 | f 331 |
| g 132 | h 342 | i 638 |
| j 273 | k 260 | l 517 |
| m 286 | n 659 | o 658 |
| p 562 | q 711 | r 918 |
| s 452 | t 531 | u 588 |
| v 937 | w 869 | x 599 |
- 3
- | | | |
|-------|-------|-------|
| a 285 | b 321 | c 752 |
| d 674 | e 707 | f 622 |
| g 438 | h 900 | i 518 |
| j 435 | k 543 | l 414 |
| m 920 | n 684 | o 526 |
| p 669 | q 900 | r 824 |
| s 809 | t 710 | u 700 |

Worksheet 5

First:

- | | | |
|-------|------|-------|
| a 913 | b 30 | c 999 |
| d 765 | e 45 | |

Second:

- | | | |
|----------|-------|-------|
| a 268 | b 590 | c 242 |
| d 7, 700 | e 370 | |

Third:

- | | |
|---------|-------|
| a 1 906 | 2 750 |
| 3 936 | 4 872 |
- b 1 375, 186, 852, 472, 856, 799

- 2 537, 618, 528, 724, 568, 779

c $317 + 281 = 598$ pupils.

Lessons 9&10

Various Strategies for Adding Two Numbers

1 a $25 + 36 \rightarrow 324 + 37$

b $176 + 8 \rightarrow 1147 + 37$

c $23 + 36 \rightarrow 49 + 50$

d $29 + 17 \rightarrow 236 + 10$

2 a $>$

b $=$

c $<$

d $>$

e $=$

3 a $56 \rightarrow 50$

$+ 25 \rightarrow + 20$

81 70

b $69 \rightarrow 60$

$+ 26 \rightarrow + 20$

95 80

c $246 \rightarrow 200$

$+ 319 \rightarrow + 300$

565 500

d $249 \rightarrow 200$

$+ 75 \rightarrow + 70$

324 270

4 a $28 \xrightarrow{\text{To the nearest 10}} 30$

$+ 73 \xrightarrow{\text{To the nearest 10}} + 70$

101 100

b $56 \xrightarrow{\text{To the nearest 10}} 60$

$+ 43 \xrightarrow{\text{To the nearest 10}} + 40$

99 100

c $359 \xrightarrow{\text{To the nearest 100}} 400$

$+ 299 \xrightarrow{\text{To the nearest 100}} + 300$

658 700

d $627 \xrightarrow{\text{To the nearest 100}} 600$

$+ 58 \xrightarrow{\text{To the nearest 10}} + 60$

685 660

HOME ACTIVITIES

1 a $65 + 38 \rightarrow 2100 + 3$

b $29 + 16 \rightarrow 315 + 30$

c $145 + 27 \rightarrow 196 + 76$

d $318 + 196 \rightarrow 5500 + 10 + 4$

e $35 + 26 \rightarrow 729 + 32$

f $645 + 128 \rightarrow 4700 + 73$

g $563 + 179 \rightarrow 6627 + 115$

2 a $<$

b $<$

c $>$

d $>$

e $=$

f $>$

g $=$

3 a $315 \rightarrow 300$

$+ 567 \rightarrow + 500$

882 800

b $65 \rightarrow 70$

$+ 38 \rightarrow + 30$

103 100

c $154 \rightarrow 100$

$+ 645 \rightarrow + 600$

799 700

d $645 \rightarrow 600$

$+ 163 \rightarrow + 100$

808 700

e $156 \rightarrow 100$

$+ 215 \rightarrow + 200$

371 300

f $69 \rightarrow 60$

$+ 76 \rightarrow + 70$

145 130

g $645 \rightarrow 600$

$+ 78 \rightarrow + 70$

723 670

h $26 \rightarrow 20$

$+ 68 \rightarrow + 60$

94 80

4 a $35 \rightarrow 40$

$+ 28 \rightarrow + 30$

63 70

b $69 \rightarrow 70$

$+ 15 \rightarrow + 20$

84 90

c $76 \rightarrow 80$

$+ 15 \rightarrow + 20$

91 100

d $64 \rightarrow 60$

$+ 52 \rightarrow + 50$

116 110

Guide Answers

e $46 \rightarrow 50$
 $+ 45 \rightarrow + 50$
 $\underline{91} \quad \underline{100}$

f $76 \rightarrow 80$
 $+ 28 \rightarrow + 30$
 $\underline{104} \quad \underline{110}$

5 a $563 \rightarrow 600$
 $+ 167 \rightarrow + 200$
 $\underline{730} \quad \underline{800}$

b $516 \rightarrow 500$
 $+ 276 \rightarrow + 300$
 $\underline{792} \quad \underline{800}$

c $767 \rightarrow 800$
 $+ 138 \rightarrow + 100$
 $\underline{905} \quad \underline{900}$

d $645 \rightarrow 600$
 $+ 136 \rightarrow + 100$
 $\underline{781} \quad \underline{700}$

e $125 \rightarrow 100$
 $+ 368 \rightarrow + 400$
 $\underline{493} \quad \underline{500}$

f $599 \rightarrow 600$
 $+ 286 \rightarrow + 300$
 $\underline{885} \quad \underline{900}$

Worksheet 6

First:

a 10

b 0

c 25

d 135

e 60

Second:

a 917

b 7, 6

c 130

d 40

e 8, 6, 2

Third:

a 1 >

2 >

3 >

b 1 $24 \xrightarrow{\text{To the nearest 10}} 20$
 $+ 38 \xrightarrow{\text{To the nearest 10}} + 40$
 $\underline{62} \quad \underline{60}$

2 $506 \xrightarrow{\text{By Front-End Estimation}} 500$
 $+ 276 \xrightarrow{\text{By Front-End Estimation}} + 200$
 $\underline{782} \quad \underline{700}$

Chapter 10

Lessons 1&2

The Relationship Between Addition and Subtraction Using Fact Families Subtracting Using a Number Line

3 a $30 \quad 5 \quad 35$
 $30 + 5 = 35$
 $5 + 30 = 35$
 $35 - 5 = 30$
 $35 - 30 = 5$

b $10 \quad 14 \quad 24$
 $10 + 14 = 24$
 $14 + 10 = 24$
 $24 - 14 = 10$
 $24 - 10 = 14$

c $11 \quad 21 \quad 32$
 $11 + 21 = 32$
 $21 + 11 = 32$
 $32 - 21 = 11$
 $32 - 11 = 21$

2 a $3 + 6 = 9$
 $6 + 3 = 9$
 $9 - 3 = 6$
 $9 - 6 = 3$

b $5 + 8 = 13$
 $8 + 5 = 13$
 $13 - 5 = 8$
 $13 - 8 = 5$

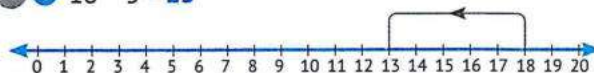
3 a $3 \quad 8 \quad 11$
 $3 + 8 = 11$
 $8 + 3 = 11$
 $11 - 3 = 8$
 $11 - 8 = 3$

b $9 \quad 6 \quad 15$
 $9 + 6 = 15$
 $6 + 9 = 15$
 $15 - 6 = 9$
 $15 - 9 = 6$

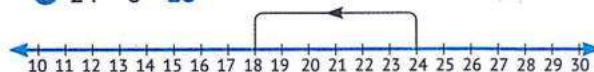
c $5 \quad 7 \quad 12$
 $5 + 7 = 12$
 $7 + 5 = 12$
 $12 - 7 = 5$
 $12 - 5 = 7$

d $4 \quad 9 \quad 13$
 $4 + 9 = 13$
 $9 + 4 = 13$
 $13 - 9 = 4$
 $13 - 4 = 9$

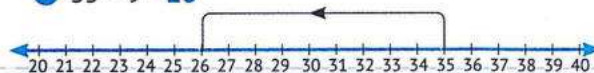
4 a $18 - 5 = 13$



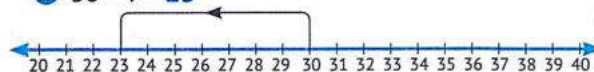
b $24 - 6 = 18$



c $35 - 9 = 26$



d $30 - 7 = 23$



HOME ACTIVITIES

1 a

15

9 6

$$9 + 6 = 15$$

$$6 + 9 = 15$$

$$15 - 6 = 9$$

$$15 - 9 = 6$$

c

20

11 9

$$11 + 9 = 20$$

$$9 + 11 = 20$$

$$20 - 9 = 11$$

$$20 - 11 = 9$$

e

36

30 6

$$30 + 6 = 36$$

$$6 + 30 = 36$$

$$36 - 6 = 30$$

$$36 - 30 = 6$$

g

46

40 6

$$40 + 6 = 46$$

$$6 + 40 = 46$$

$$46 - 6 = 40$$

$$46 - 40 = 6$$

i

63

60 3

$$60 + 3 = 63$$

$$3 + 60 = 63$$

$$63 - 3 = 60$$

$$63 - 60 = 3$$

b

12

4 8

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$

d

45

40 5

$$40 + 5 = 45$$

$$5 + 40 = 45$$

$$45 - 5 = 40$$

$$45 - 40 = 5$$

f

25

12 13

$$12 + 13 = 25$$

$$13 + 12 = 25$$

$$25 - 12 = 13$$

$$25 - 13 = 12$$

h

16

9 7

$$9 + 7 = 16$$

$$7 + 9 = 16$$

$$16 - 7 = 9$$

$$16 - 9 = 7$$

j

20

12 8

$$12 + 8 = 20$$

$$8 + 12 = 20$$

$$20 - 8 = 12$$

$$20 - 12 = 8$$

k

72

12 60

$$60 + 12 = 72$$

$$12 + 60 = 72$$

$$72 - 12 = 60$$

$$72 - 60 = 12$$

2 a

$$5 + 8 = 13$$

$$8 + 5 = 13$$

$$13 - 8 = 5$$

$$13 - 5 = 8$$

c

$$3 + 5 = 8$$

$$5 + 3 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$

3 a

7 8 15

$$7 + 8 = 15$$

$$8 + 7 = 15$$

$$15 - 8 = 7$$

$$15 - 7 = 8$$

c

7 6 13

$$7 + 6 = 13$$

$$6 + 7 = 13$$

$$13 - 6 = 7$$

$$13 - 7 = 6$$

e

9 6 15

$$9 + 6 = 15$$

$$6 + 9 = 15$$

$$15 - 6 = 9$$

$$15 - 9 = 6$$

g

5 5 10

$$5 + 5 = 10$$

$$10 - 5 = 5$$

l

23

12 11

$$12 + 11 = 23$$

$$11 + 12 = 23$$

$$23 - 11 = 12$$

$$23 - 12 = 11$$

b

$$6 + 9 = 15$$

$$9 + 6 = 15$$

$$15 - 9 = 6$$

$$15 - 6 = 9$$

d

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$

b

5 6 11

$$5 + 6 = 11$$

$$6 + 5 = 11$$

$$11 - 6 = 5$$

$$11 - 5 = 6$$

d

4 5 9

$$4 + 5 = 9$$

$$5 + 4 = 9$$

$$9 - 5 = 4$$

$$9 - 4 = 5$$

f

3 2 5

$$3 + 2 = 5$$

$$2 + 3 = 5$$

$$5 - 2 = 3$$

$$5 - 3 = 2$$

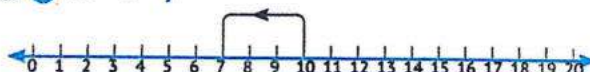
h

7 7 14

$$7 + 7 = 14$$

$$14 - 7 = 7$$

4 a $10 - 3 = 7$

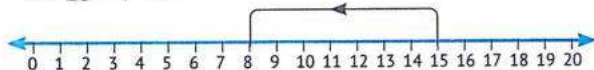


Guide Answers

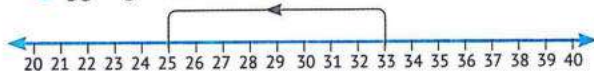
b $18 - 4 = 14$



c $15 - 7 = 8$



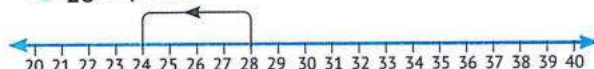
d $33 - 8 = 25$



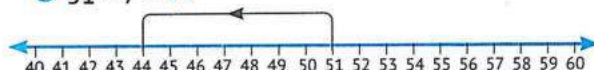
e $36 - 5 = 31$



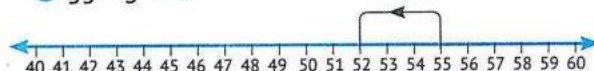
f $28 - 4 = 24$



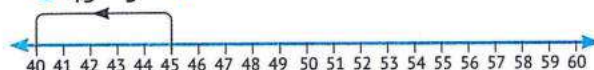
g $51 - 7 = 44$



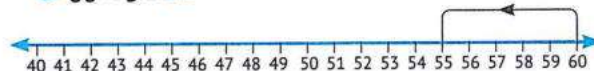
h $55 - 3 = 52$



i $45 - 5 = 40$



j $60 - 5 = 55$



Worksheet 1

First:

a 500

b 300

c =

d 987

e 974

Second:

a 438

b 100

c 970, 960

d 111

e 250

Third:

a 1 $3 + 4 = 7$, $4 + 3 = 7$

$7 - 4 = 3$, $7 - 3 = 4$

2 $9 + 6 = 15$, $6 + 9 = 15$

$15 - 6 = 9$, $15 - 9 = 6$

b 234, 563, 687, 790

c The total number of pupils = $553 + 335 = 888$ pupils.

Lesson 3

Subtraction Word Problems

- 1 $48 - 22 = 26$ cookies
- 2 $35 - 13 = 22$ girls
- 3 $180 - 20 = 160$ stamps
- 4 $28 - 4 = 24$ gifts
- 5 $65 - 21 = 44$ people
- 6 $25 - 14 = 11$ candies

HOME ACTIVITIES

- 1 $93 - 52 = 41$ LE
- 2 $45 - 12 = 33$ crayons
- 3 $75 - 42 = 33$ pages
- 4 $89 - 59 = 30$ pounds
- 5 $56 - 24 = 32$ girls
- 6 $125 - 100 = 25$ pounds
- 7 $25 - 23 = 2$ boys
- 8 $65 - 32 = 33$ girls
- 9 $456 - 215 = 241$ pounds
- 10 $175 - 60 = 115$ cars
- 11 $456 - 125 = 331$ books
- 12 $459 - 255 = 204$ cupcakes

Worksheet 2

First:

a 3

b 300

c 670

d 526

e 650

Second:

a 350

b 450

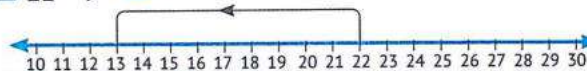
c 600, 500, 400

d 499

e 449

Third:

a $22 - 9 = 13$



b 1 <

2 <

3 <

4 =

c They have = $52 + 28 = 80$ LE.

Lessons 4&5

Decomposing the Numbers Components & Subtracting Numbers Using Mental Math Strategies

- 1
- a $20 + 9$
 $10 + 19$ → 29 → $10 + 10 + 9$
- b $80 + 2$
 $70 + 12$ → 82 → $40 + 40 + 2$
- c $30 + 7$
 $20 + 17$ → 37 → $20 + 10 + 7$
- d $60 + 3$
 $50 + 13$ → 63 → $30 + 30 + 3$

- 2
- a $49 = 40 + 9$
 $49 = 30 + 19$
 $49 = 20 + 29$
- b $83 = 80 + 3$
 $83 = 70 + 13$
 $83 = 20 + 63$
- c $67 = 60 + 7$
 $67 = 40 + 27$
 $67 = 10 + 57$
- d $92 = 20 + 72$
 $92 = 30 + 62$
 $92 = 52 + 40$

- 3
- $20 + 34$ → $30 + 7$
- $40 + 35$ → $50 + 4$
- $27 + 10$ → $70 + 5$
- $25 + 60$ → $90 + 3$
- $70 + 23$ → $80 + 5$

- 4
- a $35 - 10 = 25$
 $35 - 20 = 15$
 $35 - 25 = 10$
 $35 - 29 = 6$
- b $72 - 10 = 62$
 $72 - 20 = 52$
 $72 - 22 = 50$
 $72 - 26 = 46$
- c $72 - 10 = 62$
 $72 - 20 = 52$
 $72 - 30 = 42$
 $72 - 42 = 30$
 $72 - 48 = 24$
- d $463 - 10 = 453$
 $463 - 110 = 353$
 $463 - 120 = 343$
 $463 - 133 = 330$
 $463 - 137 = 326$

HOME ACTIVITIES

- 1
- a $20 + 9$
 $10 + 19$ → 29 → $10 + 10 + 9$
- b $30 + 7$
 $20 + 17$ → 37 → $10 + 10 + 10 + 7$
- c $40 + 6$
 $30 + 16$ → 46 → $20 + 10 + 10 + 6$
- d $50 + 2$
 $40 + 12$ → 52 → $20 + 10 + 10 + 10 + 2$
- e $60 + 2$
 $50 + 12$ → 62 → $30 + 10 + 10 + 10 + 2$
- f $70 + 3$
 $60 + 13$ → 73 → $40 + 10 + 10 + 10 + 3$
- g $80 + 6$
 $40 + 46$ → 86 → $50 + 10 + 10 + 10 + 6$
- 2
- a $34 = 10 + 24$
 $34 = 20 + 14$
 $34 = 30 + 4$
- b $28 = 20 + 8$
 $28 = 10 + 18$
 $28 = 10 + 10 + 8$
- c $42 = 40 + 2$
 $42 = 20 + 22$
 $42 = 10 + 32$
- d $57 = 30 + 27$
 $57 = 40 + 17$
 $57 = 50 + 7$
- e $64 = 40 + 24$
 $64 = 30 + 34$
 $64 = 20 + 44$
- f $78 = 70 + 8$
 $78 = 60 + 18$
 $78 = 30 + 48$
- g $86 = 80 + 6$
 $86 = 40 + 46$
 $86 = 30 + 56$
- h $97 = 20 + 77$
 $97 = 30 + 67$
 $97 = 50 + 47$
- i $66 = 20 + 46$
 $66 = 40 + 26$
 $66 = 10 + 56$
- j $27 = 20 + 7$
 $27 = 10 + 17$
 $27 = 10 + 10 + 7$

Guide Answers

3

a $20 + 9$	1 $20 + 20 + 7$
b $30 + 8$	2 $10 + 10 + 9$
c $40 + 7$	3 $20 + 18$
d $50 + 6$	4 $30 + 30 + 5$
e $60 + 5$	5 $20 + 20 + 16$
f $70 + 4$	6 $30 + 03 + 30 + 2$
g $80 + 3$	7 $40 + 34$
h $90 + 2$	8 $40 + 40 + 3$

4

a $>$	b $<$	c $=$
d $>$	e $<$	

5

a	b
$75 - 10 = 65$	$43 - 10 = 33$
$75 - 20 = 55$	$43 - 20 = 23$
$75 - 25 = 50$	$43 - 23 = 20$
$75 - 29 = 46$	$43 - 28 = 15$

c	d
$62 - 10 = 52$	$54 - 10 = 44$
$62 - 20 = 42$	$54 - 20 = 34$
$62 - 30 = 32$	$54 - 30 = 24$
$62 - 32 = 30$	$54 - 34 = 20$
$62 - 38 = 24$	$54 - 36 = 18$

e	f
$252 - 100 = 152$	$675 - 100 = 575$
$252 - 110 = 142$	$675 - 200 = 475$
$252 - 120 = 132$	$675 - 300 = 375$
$252 - 132 = 120$	$675 - 370 = 305$
$252 - 136 = 116$	$675 - 390 = 285$

g	h
$146 - 100 = 46$	$976 - 100 = 876$
$146 - 110 = 36$	$976 - 200 = 776$
$146 - 120 = 26$	$976 - 300 = 676$
$146 - 126 = 20$	$976 - 370 = 606$
$146 - 129 = 17$	$976 - 390 = 586$

Worksheet 3

First:

- | | | |
|-------|------|------|
| a 279 | b 67 | c 50 |
| d 200 | e 40 | |

Second:

- | | | |
|------------------|--------|-------|
| a 55, 65, 75, 85 | b Tens | c 102 |
| d 40 | e 708 | |

Third:

- | | |
|---------|-------|
| a 1 737 | 2 705 |
| b 1 $<$ | 2 $=$ |
| 3 $>$ | 4 $<$ |

c

1

$83 - 10 = 73$
$83 - 20 = 63$
$83 - 30 = 53$
$83 - 33 = 50$
$83 - 38 = 45$

2

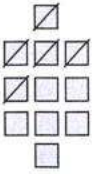
$720 - 100 = 620$
$720 - 200 = 520$
$720 - 300 = 420$
$720 - 420 = 300$
$720 - 490 = 230$

Lesson 6

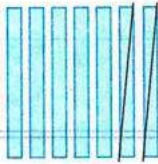
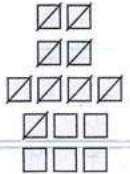
Subtracting Numbers Using Regrouping

1

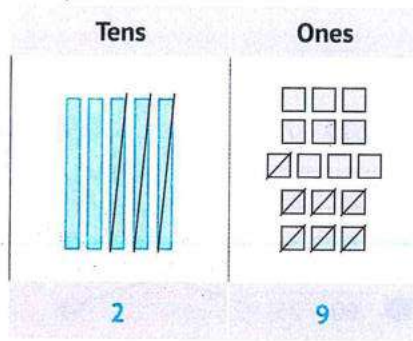
b

Tens	Ones
	
1	6

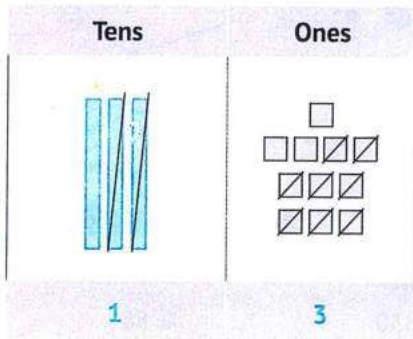
c

Tens	Ones
	
5	5

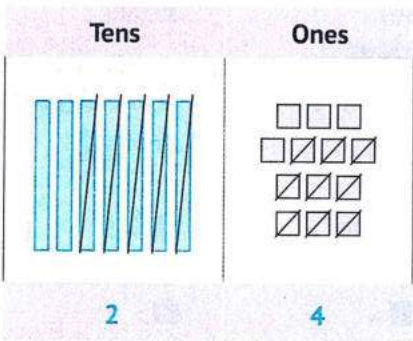
d



e



f



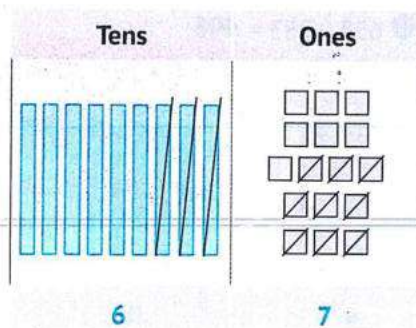
- 2 a 25
d 13
g 76
j 17

- b 44
e 15
h 13
k 44

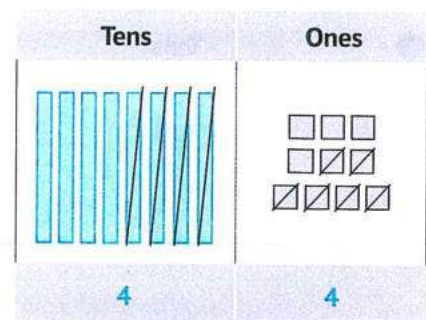
- c 36
f 28
i 26
l 4

HOME ACTIVITIES

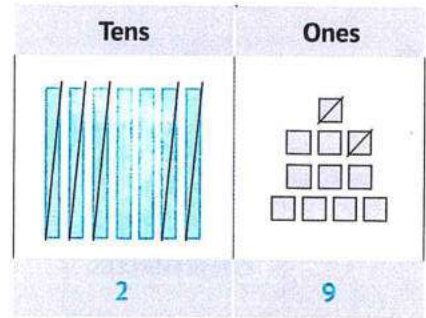
a



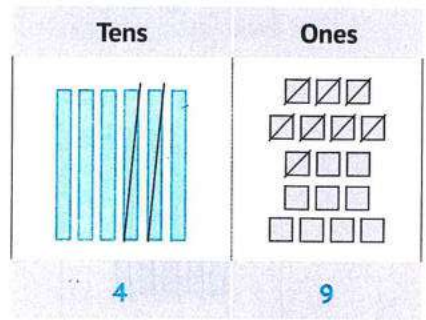
b



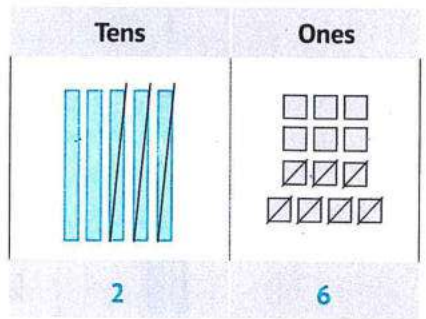
c



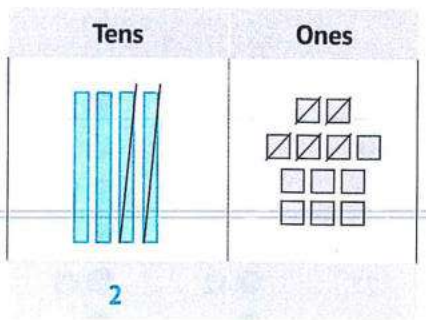
d



e

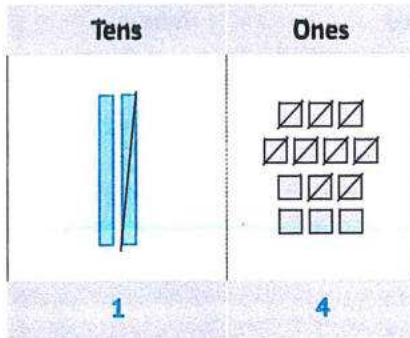


f

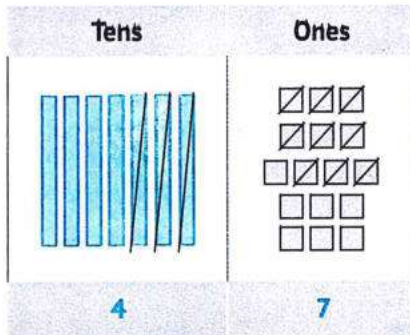


Guide Answers

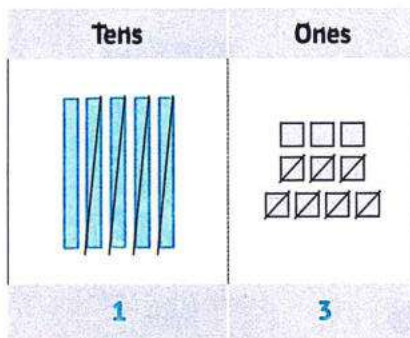
g



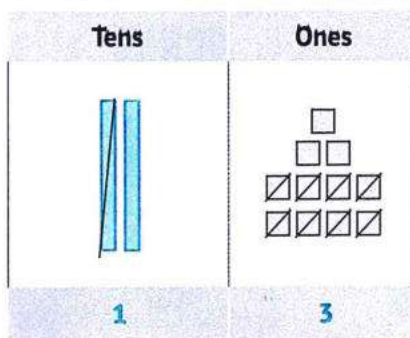
h



i



j



- 2 a 3 b 54 c 55 d 34
 18 f 49 g 3 h 27
 24 b 55 c 16 d 88
 36 e 17 g 26 h 53
 27 j 42 k 45 l 15
 > b < c = d <

5

- a 75 - 26 b 15 - 7 c 91 - 29 d 52 - 28 e 60 - 25 f 82 - 28 g 93 - 15 h 90 - 9
 1 92 - 30 2 62 - 13 3 50 - 42 4 82 - 47 5 51 - 27 6 91 - 10 7 62 - 8 8 80 - 2

Worksheet 4

First:

- a 830 b 58 c 23
 d 507 e 999

Second:

- a 65, 70, 75 b Hundreds
 c 4, 7, 3 d 60 e 82

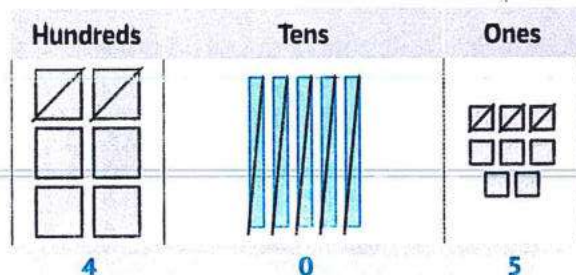
Third:

- a 1 404 2 540
 3 43 4 47
 b 1 = 2 >
 3 < 4 >
 b Tarek has = $56 - 25 = 31$ LE

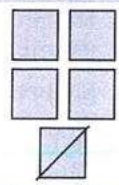
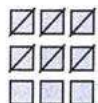
Lessons 7-10

Strategies for Subtracting Two Numbers Using Models & Regrouping

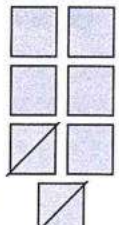
- 1 a $658 - 253 = 405$



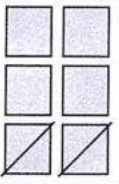
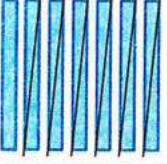
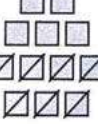
b $579 - 126 = 453$

Hundreds	Tens	Ones
		
4	5	3

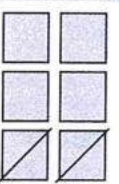
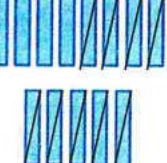
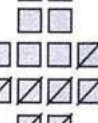
c $738 - 172 = 566$

Hundreds	Tens	Ones
		
5	6	6

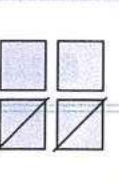
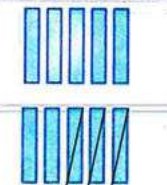
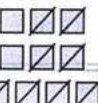
d $672 - 257 = 415$

Hundreds	Tens	Ones
		
4	1	5

e $634 - 187 = 447$

Hundreds	Tens	Ones
		
4	4	7

f $400 - 128 = 272$

Hundreds	Tens	Ones
		
2	7	2

2 a 134

c 497

e 627

g 41

i 300

k 346

b 213

d 448

f 99

h 330

j 126

l 130

3 a $103 \rightarrow 100$

c $472 \rightarrow 500$

b $179 \rightarrow 180$

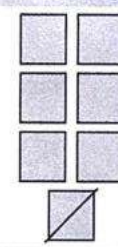
d $565 \rightarrow 600$

4 $42 + 57 = 99$ LE.

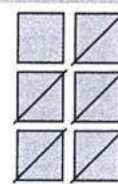
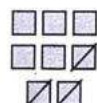
5 $48 - 22 = 26$ cookies

HOME ACTIVITIES

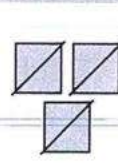
1 a $786 - 124 = 662$

Hundreds	Tens	Ones
		
6	6	2

b $628 - 523 = 105$

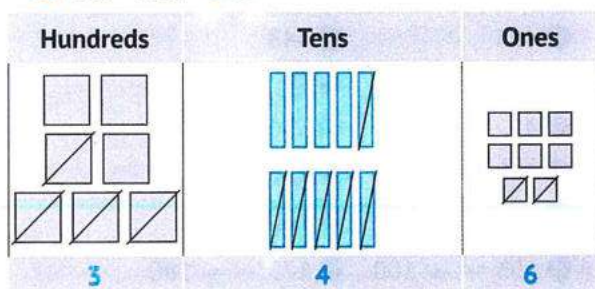
Hundreds	Tens	Ones
		
1	0	5

c $326 - 253 = 73$

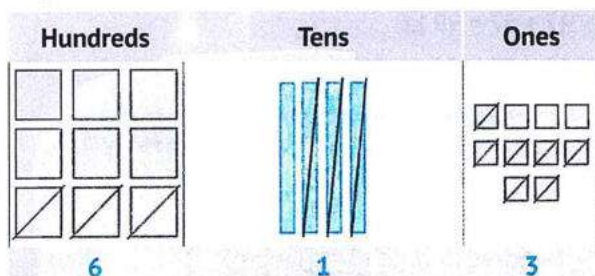
Hundreds	Tens	Ones
		
0	7	3

Guide Answers

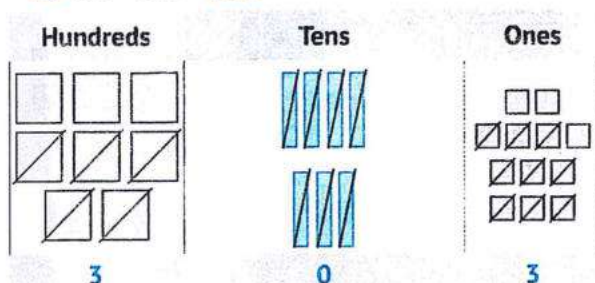
d $708 - 362 = 346$



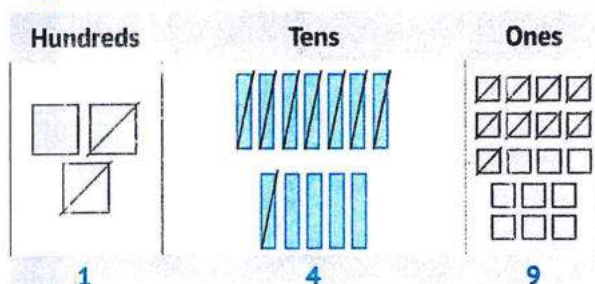
e $940 - 327 = 613$



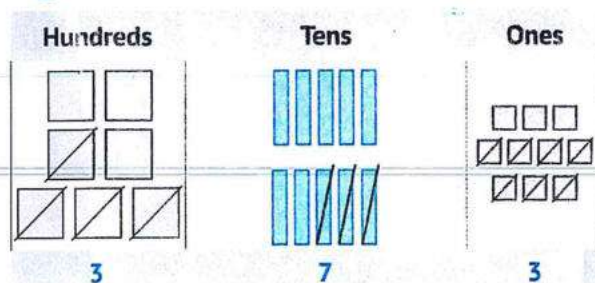
f $872 - 569 = 303$



g $328 - 179 = 149$



h $700 - 327 = 373$



- 2 **1** 508 **2** 135 **3** 689 **4** 234
5 127 **6** 319 **7** 449 **8** 70
9 352 **10** 497 **11** 434 **12** 349
13 535 **14** 461 **15** 608 **16** 105
17 465 **18** 307 **19** 490 **20** 494
21 333 **22** 382 **23** 281 **24** 24
25 92 **26** 789 **27** 99 **28** 41
- 3 **a** 621 **b** 249 **c** 192 **d** 234
e 71 **f** 267 **g** 185 **h** 188
i 407 **j** 778 **k** 178 **l** 308
m 239 **n** 277 **o** 748 **p** 589

- 4 **a** 73 → 70 **b** 483 → 480
c 67 → 70 **d** 279 → 280
e 134 → 100 **f** 621 → 600
g 122 → 100 **h** 466 → 500

- 5 **a** $42 + 57 = 99$ LE. **b** $33 + 24 = 57$ LE.
c $44 + 44 = 88$ LE. **d** $189 + 425 = 614$ LE.
e $35 - 13 = 22$ girls
f $180 - 20 = 160$ stamps
g $28 - 4 = 24$ gifts
h $65 - 21 = 44$ people
i $25 - 14 = 11$ candies
j $125 + 125 = 250$ LE

Worksheet 5

First:

- a** Ones **b** 100 **c** 562
d 500 **e** 740

Second:

- a** 407 **b** 40 **c** 50
d 572 **e** 253

Third:

- a** **1** 900 **2** 539 **3** 236 **4** 221
b **1** > **2** > **3** < **4** >

- b** Maha has = $245 + 314 = 559$ pounds.

Chapter 11

Lesson 1

Forming Fractions (Halves - Thirds - Fourths)

1 b, g, h, j

2 a $\frac{2}{3}$
d $\frac{4}{5}$

b $\frac{4}{8}$
e $\frac{3}{6}$

c $\frac{2}{4}$

HOME ACTIVITIES

1 b, f, i, j, l, n, o, p, u, v, x

2 a $\frac{2}{3}$
e $\frac{2}{5}$
i $\frac{8}{10}$
m $\frac{1}{3}$
q $\frac{3}{10}$

b $\frac{6}{8}$
f $\frac{3}{4}$
j $\frac{2}{3}$
n $\frac{4}{12}$
r $\frac{2}{4}$

c $\frac{2}{4}$
g $\frac{4}{8}$
k $\frac{3}{6}$
o $\frac{4}{7}$
s $\frac{6}{9}$

d $\frac{2}{6}$
h $\frac{4}{6}$
l $\frac{1}{2}$
p $\frac{4}{6}$
t $\frac{2}{3}$

Worksheet 1

First:

a 300

b 504

c 540

d $\frac{1}{2}$

Second:

a 138

b 50

c 752

d $\frac{2}{4}$

Third:

a 1 827

2 231

b 1 $\frac{1}{2}$

2 $\frac{4}{8}$

3 $\frac{4}{6}$

c Ahmed has = $537 + 350 = 887$ pounds.

d 99, 235, 253, 523, 532.

Lessons 2-6

Many Fractions Forms

1 a $\frac{1}{2}$, A half

b $\frac{2}{2}$, Two halves = 1

c $\frac{1}{3}$, A third

d $\frac{2}{3}$, Two thirds

e $\frac{3}{3}$, Three thirds = 1

f $\frac{1}{4}$, A fourth

g $\frac{2}{4}$, Two fourths

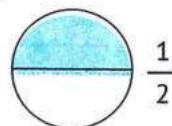
h $\frac{3}{4}$, Three fourths

i $\frac{4}{4}$, Four fourths = 1

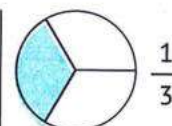
2

	Fraction in Words	Fraction	Fraction in Digits
a	A half		$\frac{1}{2}$
b	A third		$\frac{1}{3}$
c	Two thirds		$\frac{2}{3}$
d	A fourth		$\frac{1}{4}$
e	Three fourths		$\frac{3}{4}$

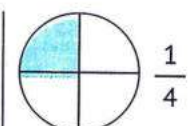
3



a a half

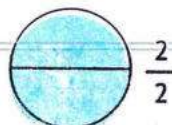


b a third

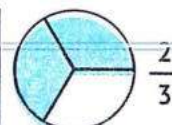


c a fourth

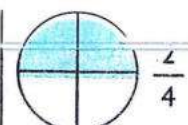
4



a Two halves



b Two thirds



c Two fourths

HOME ACTIVITIES

- 1 a $\frac{1}{2}$, A half b $\frac{2}{2}$, Two halves = 1
 c $\frac{1}{3}$, A third d $\frac{2}{3}$, Two thirds
 e $\frac{3}{3}$, Three thirds = 1 f $\frac{1}{4}$, A fourth
 g $\frac{2}{4}$, Two fourths h $\frac{3}{4}$, Three fourths
 i $\frac{4}{4}$, Four fourths = 1 j $\frac{1}{2}$, A half
 k $\frac{1}{3}$, A third l $\frac{2}{3}$, Two thirds
 m $\frac{3}{3}$, Three thirds = 1 n $\frac{1}{4}$, A fourth
 o $\frac{2}{4}$, Two fourths p $\frac{3}{4}$, Three fourths
 q $\frac{4}{4}$, Four fourths = 1

2

Fraction in Words	Fraction	Fraction in Digits
a A half		$\frac{1}{2}$
b Two halves		$\frac{2}{2}$
c A third		$\frac{1}{3}$
d Two thirds		$\frac{2}{3}$
e Three thirds		$\frac{3}{3}$
f A fourth		$\frac{1}{4}$
g Two fourths		$\frac{2}{4}$
h Three fourths		$\frac{3}{4}$
i Four fourths		$\frac{4}{4}$

- 3 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$
 a A half b A third c A fourth
 4 $\frac{2}{2}$ $\frac{2}{3}$ $\frac{2}{4}$
 a Two halves b Two thirds c Two fourths
 5 $\frac{3}{3}$ $\frac{3}{4}$
 a Three thirds b Three fourths
 6 a $\frac{1}{3}$, A third b $\frac{2}{3}$, Two thirds
 c $\frac{2}{4}$, Two fourths d $\frac{1}{4}$, A fourth
 e $\frac{2}{2}$, Two halves f $\frac{1}{2}$, A half
 g $\frac{3}{4}$, Three fourths h $\frac{1}{4}$, A fourth

Worksheet 2

First:

- a 30 b 800 c 974 d 621

Second:

- a 606 b 999 c 248 d 500,400

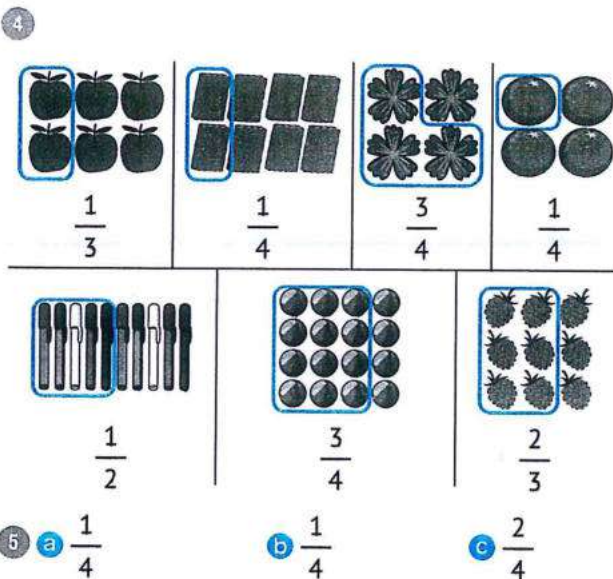
Third:

- a 1 462 2 354 3 779 4 217
 b 1 $\frac{1}{3}$, A third 2 $\frac{2}{3}$, Two thirds
 3 $\frac{1}{4}$, A fourth 4 $\frac{1}{2}$, A half
 5 $\frac{3}{4}$, Three fourths 6 $\frac{2}{4}$, Two fourths

Lessons 7-10

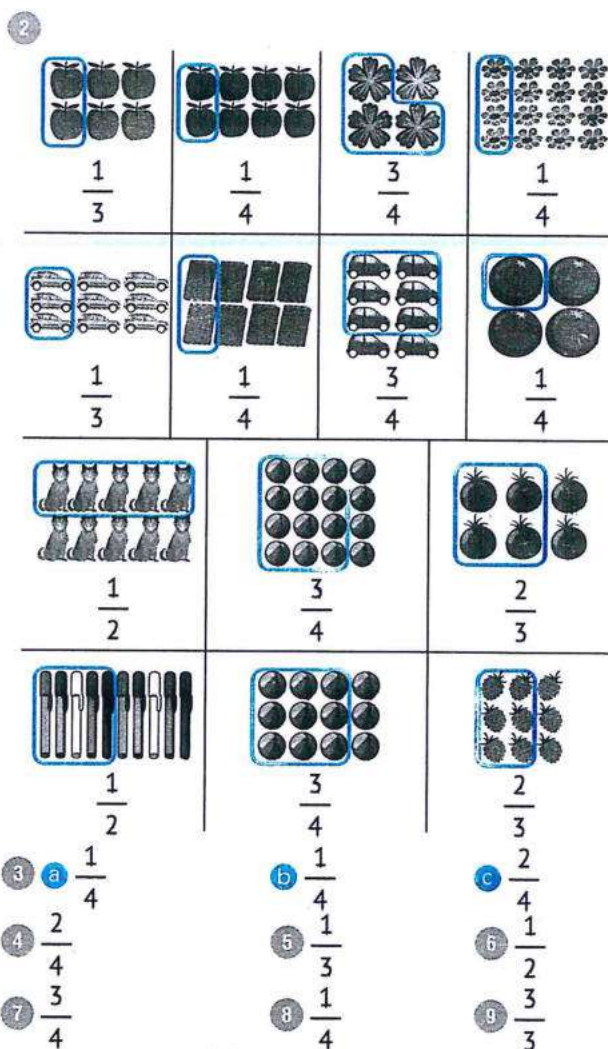
Fraction as a Part of a Set Applications on Fractions

- 1 a $\frac{3}{4}$ b $\frac{1}{4}$ c $\frac{2}{4}$
 2 a $\frac{1}{6}$ b $\frac{4}{6}$ c $\frac{1}{6}$
 3 a $\frac{2}{4}$ b $\frac{2}{4}$ c $\frac{4}{4}$



HOME ACTIVITIES

- | | | |
|---------------------|-----------------|-----------------|
| 1 a 1 $\frac{6}{8}$ | 2 $\frac{2}{8}$ | 3 $\frac{4}{8}$ |
| b 1 $\frac{2}{6}$ | 2 $\frac{4}{6}$ | 3 $\frac{3}{6}$ |
| c 1 $\frac{2}{9}$ | 2 $\frac{6}{9}$ | 3 $\frac{1}{9}$ |
| d 1 $\frac{1}{6}$ | 2 $\frac{4}{6}$ | 3 $\frac{1}{6}$ |
| e 1 $\frac{2}{8}$ | 2 $\frac{4}{8}$ | 3 $\frac{2}{8}$ |
| 4 $\frac{6}{8}$ | 5 $\frac{4}{8}$ | |
| f 1 $\frac{3}{6}$ | 2 $\frac{3}{6}$ | 3 $\frac{6}{6}$ |
| g 1 $\frac{2}{8}$ | 2 $\frac{6}{8}$ | 3 $\frac{8}{8}$ |
| h 1 $\frac{6}{9}$ | 2 $\frac{3}{9}$ | 3 $\frac{9}{9}$ |
| i 1 $\frac{3}{9}$ | 2 $\frac{3}{9}$ | 3 $\frac{6}{9}$ |
| 4 $\frac{3}{9}$ | | |
| j 1 $\frac{2}{6}$ | 2 $\frac{2}{6}$ | 3 $\frac{4}{6}$ |



Worksheet 3

First:

- a 971 b 410 c 300 d 240

Second:

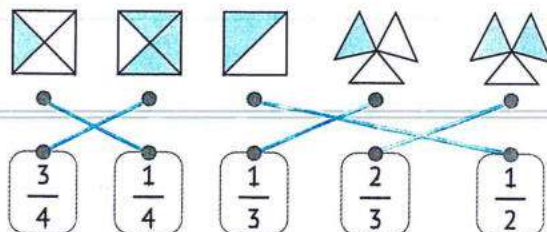
- a Hundreds b 635 c 326 d 999

Third:

- a 1 52 b 304 c 109 d 938

b Salwa paid = $275 + 125 = 400$ pounds

c



Chapter 12

Lessons 1-3

Reading and Explaining Data

1 a

Favorite Fruit	Apples	Oranges	Bananas	Pears
Number of Students	40	20	60	40

- b 1 20 2 $40 + 60 = 100$
 3 $60 + 40 = 100$
 4 $40 + 20 + 60 + 40 = 160$
 5 Oranges

2 a

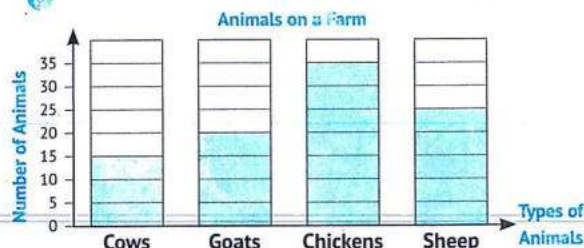
Favorite Pizza Toppings	Green Peppers	Cheese	Olives	Mushrooms
Number of People	12	14	10	4

- b 1 $14 + 12 = 26$ 2 $14 + 12 + 10 = 36$
 3 $14 - 12 = 2$ 4 $10 - 4 = 6$
 5 Cheese

3 a

Types of Animals	Cows	Goats	Chickens	Sheep
Number of Animals	15	20	35	25

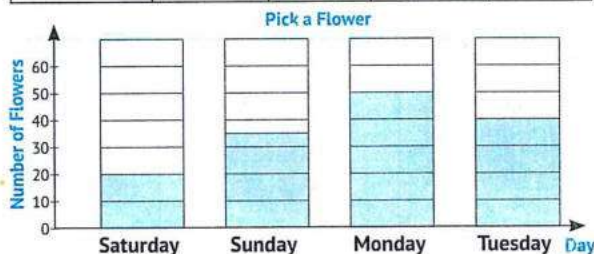
b



- 1 15 2 $20 + 35 = 55$
 3 Chickens 4 Cows

4 a

Day	Saturday	Sunday	Monday	Tuesday
Number of Flowers	20	35	50	40



- b 1 40 2 $35 - 20 = 15$
 3 Monday 4 Saturday

HOME ACTIVITIES

1 a

Favorite Fruit	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students	5	3	7	9	5	2

- b 1 = 2 < 3 <
 c 1 3 2 $9 - 2 = 7$
 3 $5 + 5 + 3 = 13$
 4 Strawberries 5 Pears

2

Colors	Number of Students
Red	20
Blue	60
Green	10
Yellow	30
Orange	50
Pink	30

- a 1 > 2 > 3 <
 4 = 5 < 6 >
 b 1 20 2 60 3 10
 4 30 5 50 6 30
 7 $30 + 60 = 90$ 8 $30 - 10 = 20$
 9 $20 + 60 = 80$ 10 $60 - 50 = 10$

3 a

Day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of Flowers	30	25	50	40	25	20

- b 1 < 2 > 3 <
4 > 5 > 6 <

- c 1 50 2 40
3 $30 - 25 = 5$ 4 $50 - 40 = 10$
5 $50 + 25 = 75$ 6 $25 + 20 = 45$
7 Monday 8 Thursday

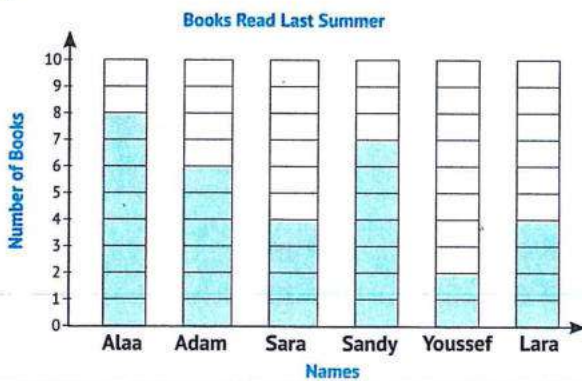
4 a

Name	Sara	Tamer	Nader	Adam	Sandy	Janna
Number of Cookies	11	8	16	5	11	10

- b 1 > 2 > 3 >
4 < 5 < 6 =

- c 1 8 2 10
3 $11 - 5 = 6$ 4 $11 - 10 = 1$
5 $11 + 16 + 5 = 32$
6 $8 + 11 = 19$ 7 Nader 8 Adam

5



- a Youssef, Lara, Sara, Adam, Sandy, Alaa.

- b 1 > 2 = 3 >
4 < 5 <

c 1 4

2 8

3 $8 - 4 = 4$

4 $4 - 2 = 2$

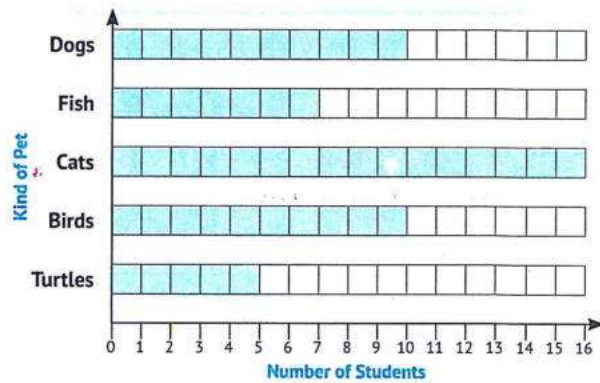
5 $7 + 2 + 6 = 15$

6 $4 + 8 + 4 = 16$

7 Alaa

8 Youssef

6



Kind of Pet	Number of Students
Dogs	10
Fish	7
Cats	16
Birds	10
Turtles	5

- a 1 = 2 > 3 > 4 >
b 1 7 2 10 3 $16 - 10 = 6$
4 $10 - 5 = 5$ 5 $10 + 7 + 16 = 33$
6 $16 + 10 + 5 = 31$ 7 Cats 8 Turtles

Worksheet 1

First:

a 600

b 90

c 14

d 9

e =

Second:

a 7, 2

b 243

c 999

d 50 LE

e 400, 500

Third:

a 1 600

2 710

3 440

4 347

b 105, 312, 530, 560

c Total number = $553 + 335 = 888$ pupils

Lessons 4-7

Applications on Arrays

- a** Rows: 3 Columns: 5
3 by 5
Number of eggs = $3 + 3 + 3 + 3 + 3 = 15$
Or $5 + 5 + 5 = 15$

- b** Rows: 2 Columns: 4
2 by 4
Number of colors = $4 + 4 = 8$
Or $2 + 2 + 2 + 2 = 8$

- c** Rows: 3 Columns: 3
3 by 3
Number of cupcakes = $3 + 3 + 3 = 9$

- d** Rows: 3 Columns: 4
3 by 4
Number of squares = $3 + 3 + 3 + 3 = 12$
Or $4 + 4 + 4 = 12$

HOME ACTIVITIES

- a** Rows: 5 Columns: 6
5 by 6
Number of eggs = $6 + 6 + 6 + 6 + 6 = 30$
Or $5 + 5 + 5 + 5 + 5 = 30$

- b** Rows: 3 Columns: 4
3 by 4
Number of colors = $3 + 3 + 3 + 3 = 12$
Or $4 + 4 + 4 = 12$

- c** Rows: 4 Columns: 4
4 by 4
Number of cupcakes = $4 + 4 + 4 + 4 = 16$

- d** Rows: 3 Columns: 7
3 by 7
Number of chocolates = $7 + 7 + 7 = 21$
Or $3 + 3 + 3 + 3 + 3 + 3 = 21$

- e** Rows: 2 Columns: 5
2 by 5
Number of roses = $5 + 5 = 10$
Or $2 + 2 + 2 + 2 + 2 = 10$

- f** Rows: 2 Columns: 4
2 by 4
Number of books = $4 + 4 = 8$
Or $2 + 2 + 2 + 2 = 8$

- g** Rows: 5 Columns: 4
5 by 4
Number of squares = $5 + 5 + 5 + 5 = 20$
Or $4 + 4 + 4 + 4 + 4 = 20$

- h** Rows: 4 Columns: 6
4 by 6
Number of squares = $6 + 6 + 6 + 6 = 24$
Or $4 + 4 + 4 + 4 + 4 + 4 = 24$

- i** Rows: 3 Columns: 7
3 by 7
Number of squares = $7 + 7 + 7 = 21$
Or $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$

Worksheet 2

First:

- a** 245 **b** 100 **c** 113
d even **e** 20

Second:

- a** 300 **b** 191 **c** 872
d 122 LE **e** 55, 50

Third:

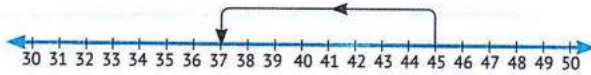
- a** **1** 480 **2** 194
3 463 **4** 709
b **1** 30 **2** 30
3 36 **4** 30

- c** They have = $45 + 86 + 90 = 221$ LE

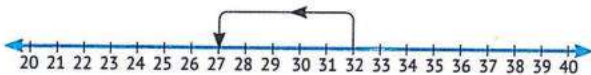
Lessons 8-10

Applications on Addition and Subtraction

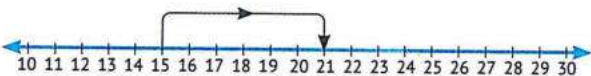
1 a $45 - 8 = 37$



b $32 - 5 = 27$



c $15 + 6 = 21$



d $59 + 7 = 66$



2 a $45 + 28 = (40 + 5) + (20 + 8)$
 $= (40 + 20) + (5 + 8)$
 $= 60 + 13 = 73.$

b $245 + 127 = (200 + 40 + 5) + (100 + 20 + 7)$
 $= (200 + 100) + (40 + 20) + (5 + 7)$
 $= 300 + 60 + 12 = 372.$

c $76 - 28 = 76 - 20 - 8$
 $= 76 - 20 - 6 - 2 = 56 - 6 - 2$
 $= 50 - 2 = 48.$

d $83 - 17 = 83 - 10 - 7$
 $= 83 - 10 - 3 - 4 = 73 - 3 - 4$
 $= 70 - 4 = 66.$

3 a

81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40

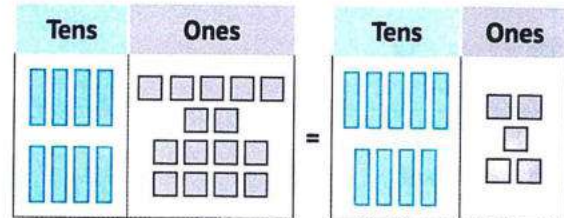
$45 + 28 = 73$

b

81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30

$73 - 36 = 37$

4 a $67 + 28 = 95$



Tens	Ones
6	7

+

Tens	Ones
2	8

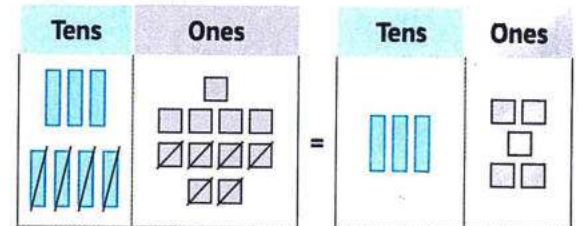
=

Tens	Ones
8	15

=

Tens	Ones
9	5

b $71 - 36 = 35$



Tens	Ones
7	1

-

Tens	Ones
3	6

=

Tens	Ones
6	11

-

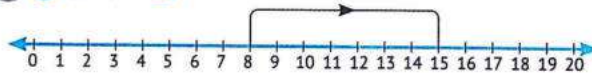
Tens	Ones
3	6

=

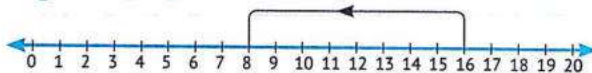
Tens	Ones
3	5

HOME ACTIVITIES

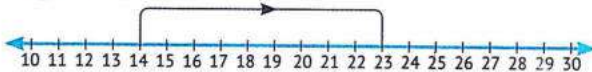
1 a $8 + 7 = 15$



b $16 - 8 = 8$

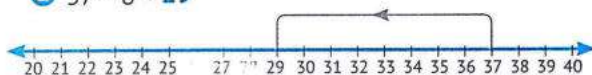


c $14 + 9 = 23$

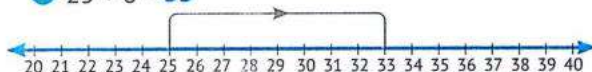


Guide Answers

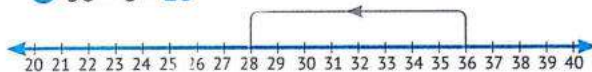
d $37 - 8 = 29$



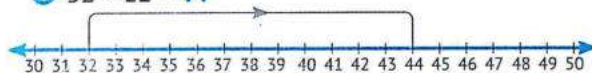
e $25 + 8 = 33$



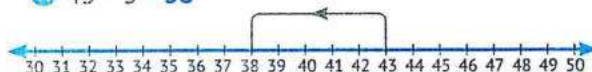
f $36 - 8 = 28$



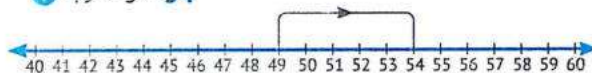
g $32 + 12 = 44$



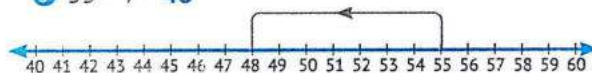
h $43 - 5 = 38$



i $49 + 5 = 54$



j $55 - 7 = 48$



a $45 + 38 = (40 + 5) + (30 + 8)$
 $= (40 + 30) + (5 + 8)$
 $= 70 + 13 = 83$

b $27 + 29 = (20 + 7) + (20 + 9)$
 $= (20 + 20) + (7 + 9)$
 $= 40 + 16 = 56$

c $245 + 215 = (200 + 40 + 5) + (200 + 10 + 5)$
 $= (200 + 200) + (40 + 10) + (5 + 5)$
 $= 400 + 50 + 10 = 460$

d $367 + 147 = (300 + 60 + 7) + (100 + 40 + 7)$
 $= (300 + 100) + (60 + 40) + (7 + 7)$
 $= 400 + 100 + 14 = 514$

e $45 - 29 = 45 - 20 - 9 = 45 - 20 - 5 - 4$
 $= 25 - 5 - 4 = 20 - 4 = 16$

f $62 - 17 = 62 - 10 - 7 = 62 - 10 - 2 - 5$
 $= 52 - 2 - 5 = 50 - 5 = 45$

g $83 - 49 = 83 - 40 - 9 = 83 - 40 - 3 - 6$
 $= 43 - 3 - 6 = 40 - 6 = 34$

3 a

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

$28 + 37 = 65$

b

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

$46 + 16 = 62$

c

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

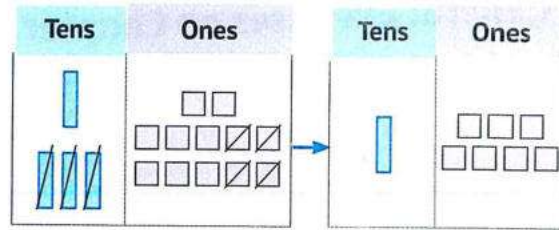
$63 - 27 = 36$

d

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

$$85 - 29 = 56$$

d $42 - 25 = 17$



Tens	Ones
4	2

 $-$

Tens	Ones
2	5

 $=$

Tens	Ones
3	12

 $=$

Tens	Ones
2	5

 $=$

Tens	Ones
1	7

Worksheet 3

First:

- a 532
- b 345
- c Ones
- d 217
- e 700

Second:

- a $\frac{3}{5}$
- b 320
- c 254
- d 24
- e Hundreds

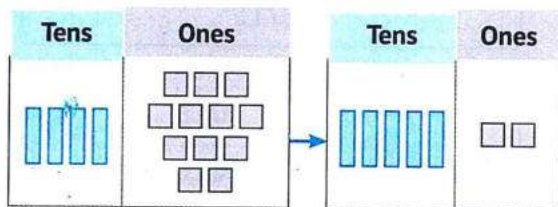
Third:

- a 1 542
- 2 690
- 3 712
- 4 524

b Nada has = $67 - 28 = 39$ LE.

- c 1 <
- 2 >
- 3 >

a $37 + 15 = 52$



Tens	Ones
3	7

 $+$

Tens	Ones
1	5

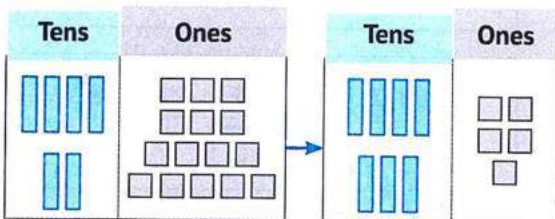
 $=$

Tens	Ones
4	12

 $=$

Tens	Ones
5	2

b $26 + 49 = 75$



Tens	Ones
2	6

 $+$

Tens	Ones
4	9

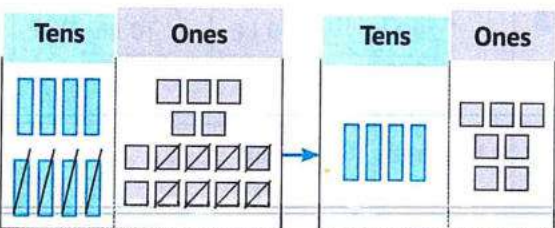
 $=$

Tens	Ones
6	15

 $=$

Tens	Ones
7	5

c $85 - 38 = 47$



Tens	Ones
8	5

 $-$

Tens	Ones
3	8

 $=$

Tens	Ones
7	15

 $-$

Tens	Ones
3	8

 $=$

Tens	Ones
4	7



General Exercises on Chapter 7

First:

- 1 a 113 LE b 442 LE
 c 120 LE d 250 LE
 e 225 LE f 285 LE
- 2 81 3 205 4 790
 5 30 6 105 7 500

- 8 200 LE 20 LE 5 LE 20 LE

Second:

- 1 42 LE 2 10 LE + 5 LE
 3 7, 5, 3 4 675 LE
 5 610 LE 6 530 LE
 7 75 LE 8 500 LE
 9 640 LE 10 300 LE
 11 a 322 LE b 410 LE
 c 100 LE d 157 LE

Third:

1

a

Hundreds	Tens	Ones
4	9	3
400 + 90 + 3 = 493 LE.		

b

Hundreds	Tens	Ones
3	5	9
300 + 50 + 9 = 359 LE.		

c

Hundreds	Tens	Ones
2	7	5
200 + 70 + 5 = 275 LE.		

d

Hundreds	Tens	Ones
6	0	8
600 + 0 + 8 = 608 LE.		

2

a

50 LE 20 LE 20 LE 5 LE 1 LE		
Hundreds	Tens	Ones
0	9	6
96 LE		

b

200 LE 200 LE 5 LE 1 LE 1 LE		
Hundreds	Tens	Ones
4	0	7
407 LE		

c

200 LE 20 LE 100 LE 20 LE		
Hundreds	Tens	Ones
3	4	0
340 LE		

d

200 LE 200 LE 200 LE 50 LE		
Hundreds	Tens	Ones
6	5	0
650 LE		

e

200 LE 20 LE 20 LE 1 LE 1 LE 1 LE		
Hundreds	Tens	Ones
2	4	3
243 LE		

f

100 LE			50 LE			5 LE		
1 LE			1 LE			1 LE		
1 LE			1 LE			1 LE		
Hundreds			Tens			Ones		
1			5			9		
159 LE								

3 a

200 LE			20 LE			20 LE			5 LE		
--------	--	--	-------	--	--	-------	--	--	------	--	--

b

50 LE			20 LE			10 LE		
5 LE			1 LE			1 LE		

c

200 LE			50 LE			10 LE		
1 LE			1 LE			1 LE		

d

200 LE			10 LE			1 LE		
1 LE			1 LE			1 LE		

4 a = b > c > d <

5 a

Amount	Hundreds	Tens	Ones
238 LE	2	3	8
271 LE	2	7	1
Sum	4	10	9
	5	0	9

b

Amount	Hundreds	Tens	Ones
128 LE	1	2	8
237 LE	2	3	7
Sum	3	5	15
	3	6	5

c

Amount	Hundreds	Tens	Ones
127 LE	1	2	7
373 LE	3	7	3
Sum	4	9	10
	4	10	0
	5	0	0

d

Amount	Hundreds	Tens	Ones
198 LE	1	9	8
267 LE	2	6	7
Sum	3	15	15
	3	16	5
	4	6	5

e

Amount	Hundreds	Tens	Ones
764 LE	7	6	4
129 LE	1	2	9
Difference	6	3	5

f

Amount	Hundreds	Tens	Ones
409 LE	4	0	9
127 LE	1	2	7
Difference	2	8	2

g

Amount	Hundreds	Tens	Ones
467 LE	4	6	7
198 LE	1	9	8
Difference	2	6	9

h

Amount	Hundreds	Tens	Ones
500 LE	5	0	0
327 LE	3	2	7
Difference	1	7	3

6 a $45 + 28 = 73$ LE.

b $67 + 28 = 95$ LE.

c $89 - 67 = 22$ LE.

d $35 + 64 = 99$ LE.

$99 - 76 = 23$ LE.

General Exercises on Chapter 8

First:

- | | | |
|--------|--------|--------|
| 1 odd | 2 even | 3 even |
| 4 odd | 5 odd | 6 300 |
| 7 109 | 8 96 | 9 59 |
| 10 100 | 11 999 | 12 11 |
| 13 98 | | |

Second:

- | | | |
|--------|--------|--------|
| 1 even | 2 even | 3 odd |
| 4 even | 5 odd | 6 odd |
| 7 even | 8 261 | 9 80 |
| 10 57 | 11 18 | 12 101 |
| 13 998 | | |

Third:

1 a 42, 45 → Rule: + 3

b 65, 70 → Rule: + 5

c 62, 59 → Rule: - 3

d 50, 40 → Rule: - 10

2 a 1 4 2 5 3 4 by 5

4 $5 + 5 + 5 + 5 = 20$
or $4 + 4 + 4 + 4 + 4 = 20$

b 1 3 2 6 3 3 by 6

4 $6 + 6 + 6 = 18$
or $3 + 3 + 3 + 3 + 3 + 3 = 18$

c 1 4 2 4 3 4 by 4

4 $4 + 4 + 4 + 4 = 16$

d 1 5 2 3 3 5 by 3

4 $3 + 3 + 3 + 3 + 3 = 15$
or $5 + 5 + 5 = 15$

General Exercises on Chapter 9

First:

- | | | |
|--------|-------|-------|
| 1 20 | 2 80 | 3 100 |
| 4 700 | 5 80 | 6 180 |
| 7 100 | 8 0 | 9 600 |
| 10 800 | 11 68 | 12 94 |
| 13 519 | 14 95 | 15 80 |

Second:

- | | | |
|------------|-------------|-------|
| 1 60 | 2 100 | 3 70 |
| 4 200 | 5 100 | 6 600 |
| 7 103, 100 | 8 76, 80 | |
| 9 453, 500 | 10 783, 800 | |

Third:

1

	Problem	Front-End Estimation	Rounded to the Nearest 10	Rounded to the Nearest 100
a	$65 + 29 = 94$	90	90	100
b	$49 + 28 = 77$	70	80	100
c	$217 + 124 = 341$	300	340	300
d	$147 + 237 = 384$	300	380	400

- | | | | |
|--------|-------|-------|-------|
| 2 a 73 | b 102 | c 383 | d 414 |
| e 66 | f 152 | g 919 | h 600 |

3 a $67 + 18 = 85$

Tens	Ones		Tens	Ones
		+		
6	7		1	8

Tens	Ones	Tens	Ones
7	15	8	5

b $245 + 318 = 563$

Hundreds	Tens	Ones
2	4	5

Hundreds	Tens	Ones
3	1	8

Hundreds	Tens	Ones
5	5	13

Hundreds	Tens	Ones
5	6	3

c $167 + 182 = 349$

Hundreds	Tens	Ones
1	6	7

Hundreds	Tens	Ones
1	8	2

Hundreds	Tens	Ones
2	14	9

Hundreds	Tens	Ones
3	4	9

4 a $75 \rightarrow 70$

$+ 18 \rightarrow + 10$

$93 \quad 80$

b $125 \rightarrow 100$

$+ 286 \rightarrow + 200$

$411 \quad 300$

c $89 \rightarrow 90$

$+ 24 \rightarrow + 20$

$113 \quad 110$

d $386 \rightarrow 400$

$+ 148 \rightarrow + 100$

$534 \quad 500$

General Exercises on Chapter 10

1 a $20 + 15 = 35$

$15 + 20 = 35$

$35 - 15 = 20$

$35 - 20 = 15$

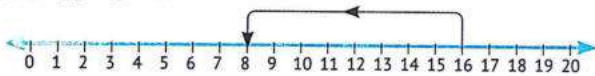
b $15 + 12 = 27$

$12 + 15 = 27$

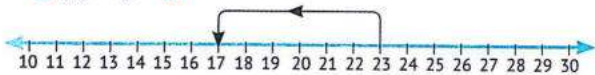
$27 - 12 = 15$

$27 - 15 = 12$

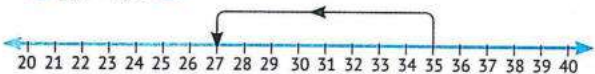
2 a $16 - 8 = 8$



b $23 - 6 = 17$



c $35 - 8 = 27$



3 a 46

$40 + 6$

$20 + 20 + 6$

$20 + 10 + 10 + 6$

4 a $36 = 10 + 26$

$36 = 20 + 16$

$36 = 30 + 6$

5 a $43 - 10 = 33$

$43 - 20 = 23$

$43 - 23 = 20$

$43 - 28 = 15$

b 73

$70 + 3$

$50 + 20 + 3$

$20 + 30 + 20 + 3$

b $85 = 10 + 75$

$85 = 30 + 55$

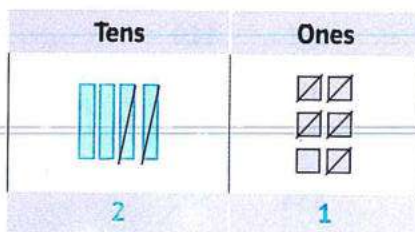
$85 = 50 + 35$

b $756 - 210 = 546$

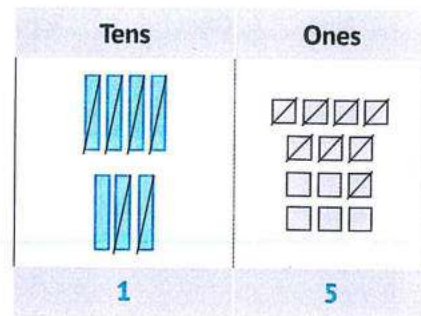
$756 - 220 = 536$

$756 - 226 = 530$

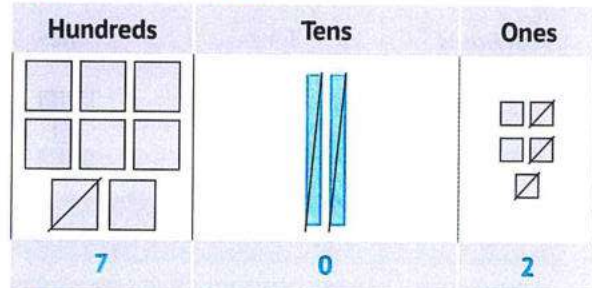
$756 - 229 = 527$



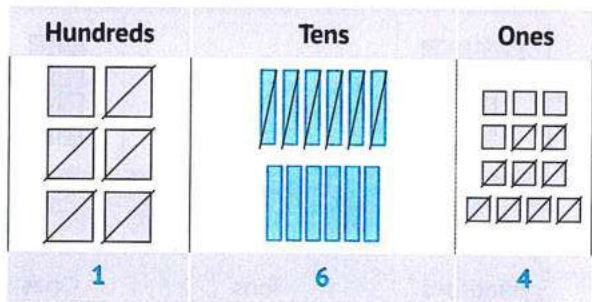
b



c $825 - 123 = 702$



d $623 - 459 = 164$



7 a 25

b 133

c 589

d 359

e 0

f 146

g 196

h 137

8

Problem	Front-End Estimation	Rounded to the Nearest 10	Rounded to the Nearest 100
a $45 - 29 = 16$	10	20	0
b $84 - 27 = 57$	50	60	100
c $725 - 214 = 511$	500	510	500
d $427 - 137 = 290$	200	290	300

9 a $32 - 25 = 7$ girls

b $356 + 138 = 494$ LE

c $245 + 345 = 590$ LE

$756 - 590 = 166$ LE

General Exercises on Chapter 11

First:

a $\frac{1}{2}$

b $\frac{1}{4}$

c $\frac{2}{3}$

d $\frac{3}{4}$

e $\frac{3}{8}$

f $\frac{4}{6}$

Second:

a $\frac{1}{2}$

b $\frac{2}{6}$

c $\frac{1}{3}$

d $\frac{1}{4}$

e $\frac{3}{6}$

f $\frac{2}{3}$

Third:

1 a $\frac{1}{2}$, A half

b $\frac{2}{2}$, Two-halves = 1

c $\frac{1}{3}$, A third

d $\frac{2}{3}$, Two-thirds

e $\frac{3}{3}$, Three-thirds = 1

f $\frac{1}{4}$, A fourth

g $\frac{2}{4}$, Two-fourths

h $\frac{3}{4}$, Three-fourths

i $\frac{4}{4}$, Four-fourths = 1

2 a $\frac{6}{9}$

b $\frac{3}{9}$

3 a $\frac{3}{6}$

b $\frac{3}{6}$

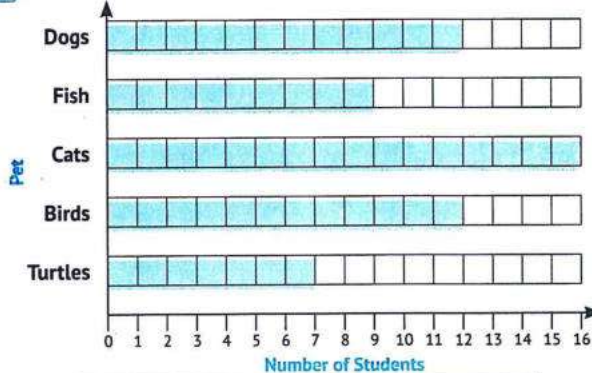
General Exercises on Chapter 12

1

Colors	Number of Students
RED	20
BLUE	60
GREEN	10
YELLOW	30
ORANGE	50
PINK	30

- a 1 > 2 > 3 <
 4 = 5 < 6 >
 b 1 20 2 30 + 60 = 90
 3 30 - 10 = 20 4 Blue 5 Green

2



Pet	Number of Students
Dogs	12
Fish	9
Cats	16
Birds	12
Turtles	7

- a 1 = 2 > 3 > 4 >
 b 1 9 2 16 - 12 = 4
 3 Cats 4 Turtles
 3 a 1 6 2 5 3 6 by 5
 4 5 + 5 + 5 + 5 + 5 + 5 = 30
 or 6 + 6 + 6 + 6 + 6 = 30

Guide Answers

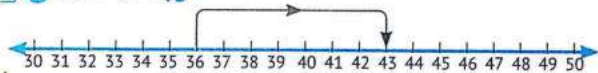
b 1 4 2 5 3 4 by 5

4 $5 + 5 + 5 + 5 = 20$
or $4 + 4 + 4 + 4 + 4 = 20$

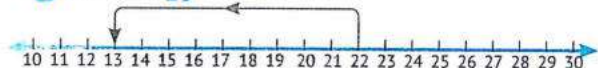
c 1 2 2 7 3 2 by 7

4 $7 + 7 = 14$
or $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$

4 **a** $35 + 8 = 43$



b $22 - 9 = 13$



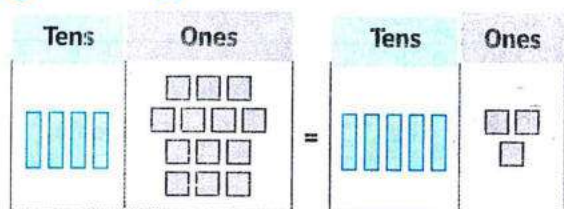
5 **a** $24 + 72 = (20 + 4) + (70 + 2)$
 $= (20 + 70) + (4 + 2)$
 $= 90 + 6 = 96.$

b $224 + 187 = (200 + 20 + 4) + (100 + 80 + 7)$
 $= (200 + 100) + (20 + 80) + (4 + 7)$
 $= 300 + 100 + 11 = 411.$

c $82 - 25 = 82 - 20 - 5 = 82 - 20 - 2 - 3$
 $= 62 - 2 - 3 = 60 - 3 = 57.$

d $73 - 54 = 73 - 50 - 4 = 73 - 50 - 3 - 1$
 $= 23 - 3 - 1 = 20 - 1 = 19.$

6 **a** $27 + 26 = 53$



Tens	Ones
2	7

 $+$

Tens	Ones
2	6

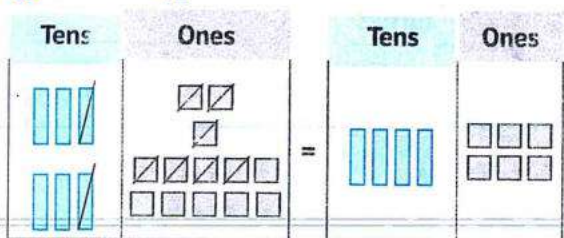
 $=$

Tens	Ones
4	13

 $=$

Tens	Ones
5	3

b $63 - 17 = 46$



Tens	Ones
6	3

 $-$

Tens	Ones
1	7

 $=$

Tens	Ones
5	13

 $-$

Tens	Ones
1	7

 $=$

Tens	Ones
4	6

Model 1

1 **a** 50 **b** 20 **c** 200 **d** 360

2 **a** even **b** $\frac{3}{4}$ **c** 31, 33 **d** 25

3 **a** 408 **b** 334 **c** 341 **d** 325

4 245, 254, 425, 452, 524

5 $125 + 75 = 200$ LE.

Model 2

1 **a** 999 **b** 253 **c** odd **d** 2

2 **a** Hundreds **b** 247 **c** 500 **d** 147

3 **a** 300 **b** 531 **c** 257 **d** 417

4 222, 220, 212, 200, 20

Hundreds	Tens	Ones
6	5	0

200 LE 200 LE 200 LE 50 LE

Model 3

1 **a** 725 **b** 7 **c** 227 **d** 480

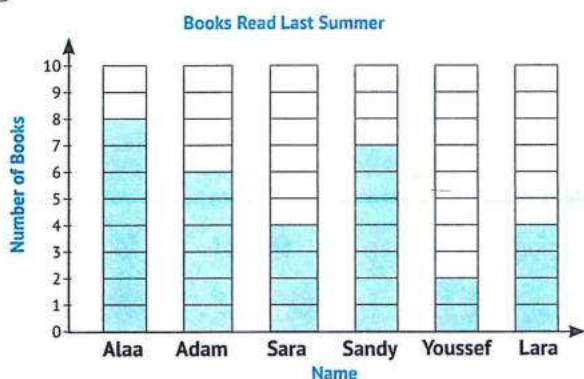
2 **a** $\frac{1}{3}$ **b** 19 **c** 86 **d** 5, 49

3 **a** = **b** < **c** < **d** >

4 **a** 200 LE 10 LE 1 LE
50 LE 1 LE 1 LE

Hundreds	Tens	Ones
3	4	2
300 + 40 + 2 = 342 LE.		

5



- a 4 books b $8 + 2 = 10$ books
c $7 - 4 = 3$ books d Alaa

Model 4

- 1 a 950 b 110 c 807 d 370
2 a 2, 7, 8 b 998
c 30 d 427, 400
3 70 Tens, 567, 415, 200, 145
4 a 4 b 3 c 4 by 3
d $3 + 3 + 3 + 3 = 12$
or $4 + 4 + 4 = 12$
5 $67 - 28 = 39$ LE.

Model 5

- 1 a 532 b 345 c Ones d 217
2 a $\frac{3}{4}$ b 320 c 254 d 24
3 a 501 b 640 c 310 d 507
4 33, 3 Hundreds, 313, 330
5 $375 - 245 = 130$ LE.

Model 6

- 1 a 771 b 883 c 301 d 700
2 a 3, 4 b Hundreds
c 350 d $26 + 5 = 31$
3 a < b > c > d <

4 a

Amount	Hundreds	Tens	Ones
428 LE	4	2	8
273 LE	2	7	3
Sum	6 6 7	9 10 0	11 1 1

b

Amount	Hundreds	Tens	Ones
719 LE	7 6	1 11	9
124 LE	1	2	4
Difference	5	9	5

5 a

Name	Sara	Tamer	Nader	Adam	Sandy	Jana
Number of Cookies	16	8	11	6	9	15

- b 1 15 2 $16 + 6 + 11 = 33$
3 Sara 4 Adam

Model 7

- 1 a 645 b 80 c 726 d 5
2 a 20, 5 b even c 700 d 10
3 a 410 b 114 c 433 d 709
4 777, 770, 717, 707, 700
5 $250 + 102 = 352$ LE.
 $500 - 352 = 148$ LE.

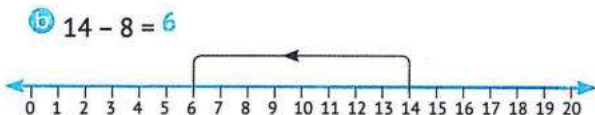
Model 8

- 1 a 800 b 850 c 280 d 20
2 a even b 101 c 155 d Tens
3 a 34 b 36 c 34 d 34
4 a $\frac{2}{3}$ b $\frac{1}{2}$ c $\frac{1}{4}$ d $\frac{3}{5}$
5 $45 + 86 + 90 = 221$ LE.

Guide Answers

Model 9

- 1 a 245
b 100
c 113
d even
- 2 a 200, 20, 20, 5
b 600
c Seven hundred fifty-three
d 369
- 3 a >
b =
c <
d >
- 4 a $22 + 8 = 30$
b $14 - 8 = 6$
- 5 $67 + 28 = 95$ LE.



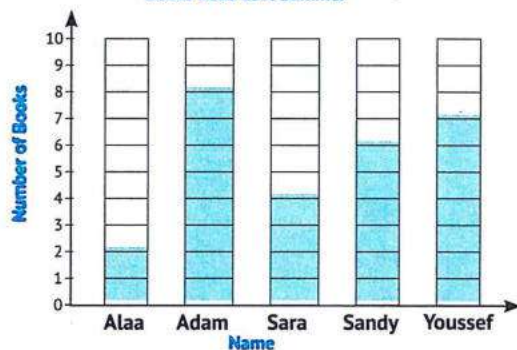
Model 10

- 1 a 300 b 191 c 872 d 142
- 2 a 200 b $\frac{6}{8}$ c 55, 50 (Rule: - 5)
d 539
- 3 a 890 b 540 c 442 d 695
- 4

82 61 21 $61 + 21 = 82$ $21 + 61 = 82$ $82 - 61 = 21$ $82 - 21 = 61$	56 24 32 $24 + 32 = 56$ $32 + 24 = 56$ $56 - 32 = 24$ $56 - 24 = 32$	83 45 38 $45 + 38 = 83$ $38 + 45 = 83$ $83 - 38 = 45$ $83 - 45 = 38$
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5

Books Read Last Summer



6

Hundreds	Tens	Ones
3	4	7

$$= 300 + 40 + 7 = 347 \text{ LE.}$$